

**PSJ1 Exh 34**

## Appendix 14

**Exhibit  
0011**

A. Combination Red Flagged Prescriptions –  
Red Flag Computation 1-16 Summary and Chart

**Giant Eagle/HBC**  
**Combination Red Flagged Prescriptions Summary**  
**Lake County and Trumbull County, OH**

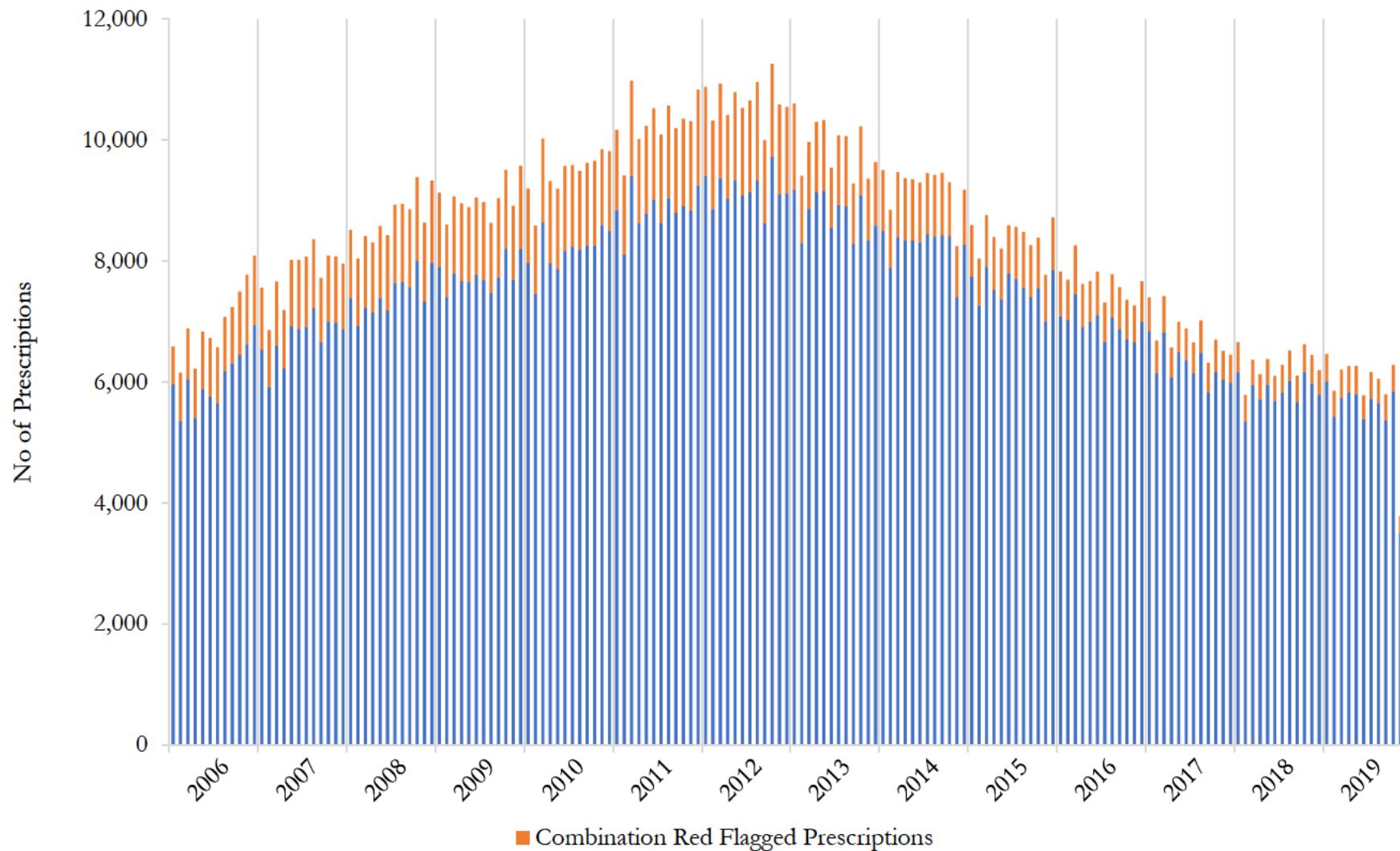
	<b>Number of Combination Red Flagged Prescriptions</b>	<b>Total Number of Prescriptions</b>
<b>Red Flag Computation</b>	<b>Flagged</b>	<b>%</b>
All Prescriptions	164,698	1,399,920
Opioid Prescriptions	125,994	774,690
Flagged for Any of the Red Flag Computation 1-16	164,698	100.0%
Red Flag Computation 1	2,889	2.3%
Red Flag Computation 2	29,231	23.2%
Red Flag Computation 3	21,885	17.4%
Red Flag Computation 4	6,221	4.9%
Red Flag Computation 5	21,386	13.0%
Red Flag Computation 6	6,262	3.8%
Red Flag Computation 7	89,220	54.2%
Red Flag Computation 8	61,969	37.6%
Red Flag Computation 9	4,768	3.8%
Red Flag Computation 10	4,148	3.3%
Red Flag Computation 11	3,138	2.5%
Red Flag Computation 12	7,075	5.6%
Red Flag Computation 13	19,624	15.6%
Red Flag Computation 14	3,450	2.7%
Red Flag Computation 15	38,025	30.2%
Red Flag Computation 16	5,692	4.5%

Notes:

<sup>1</sup> I summarize the 164,698 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

<sup>2</sup> <b>Defendant</b>	<b>Date Range</b>
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

**Giant Eagle/HBC Combination Red Flagged Prescriptions**  
**Lake County and Trumbull County, OH**



<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

**Giant Eagle/HBC**  
**Combination Red Flagged Prescriptions Summary**  
**Lake County, OH**

	<b>Number of Combination Red Flagged Prescriptions</b>	<b>Total Number of Prescriptions</b>
<b>Red Flag Computation</b>	<b>Flagged</b>	<b>%</b>
All Prescriptions	56,913	596,575
Opioid Prescriptions	45,795	325,813
Flagged for Any of the Red Flag Computation 1-16	56,913	100.0%
Red Flag Computation 1	1,791	3.9%
Red Flag Computation 2	13,128	28.7%
Red Flag Computation 3	7,742	16.9%
Red Flag Computation 4	2,710	5.9%
Red Flag Computation 5	7,102	12.5%
Red Flag Computation 6	1,708	3.0%
Red Flag Computation 7	27,418	48.2%
Red Flag Computation 8	17,163	30.2%
Red Flag Computation 9	1,815	4.0%
Red Flag Computation 10	1,000	2.2%
Red Flag Computation 11	639	1.4%
Red Flag Computation 12	1,936	4.2%
Red Flag Computation 13	5,401	11.8%
Red Flag Computation 14	1,246	2.7%
Red Flag Computation 15	12,859	28.1%
Red Flag Computation 16	3,106	6.8%

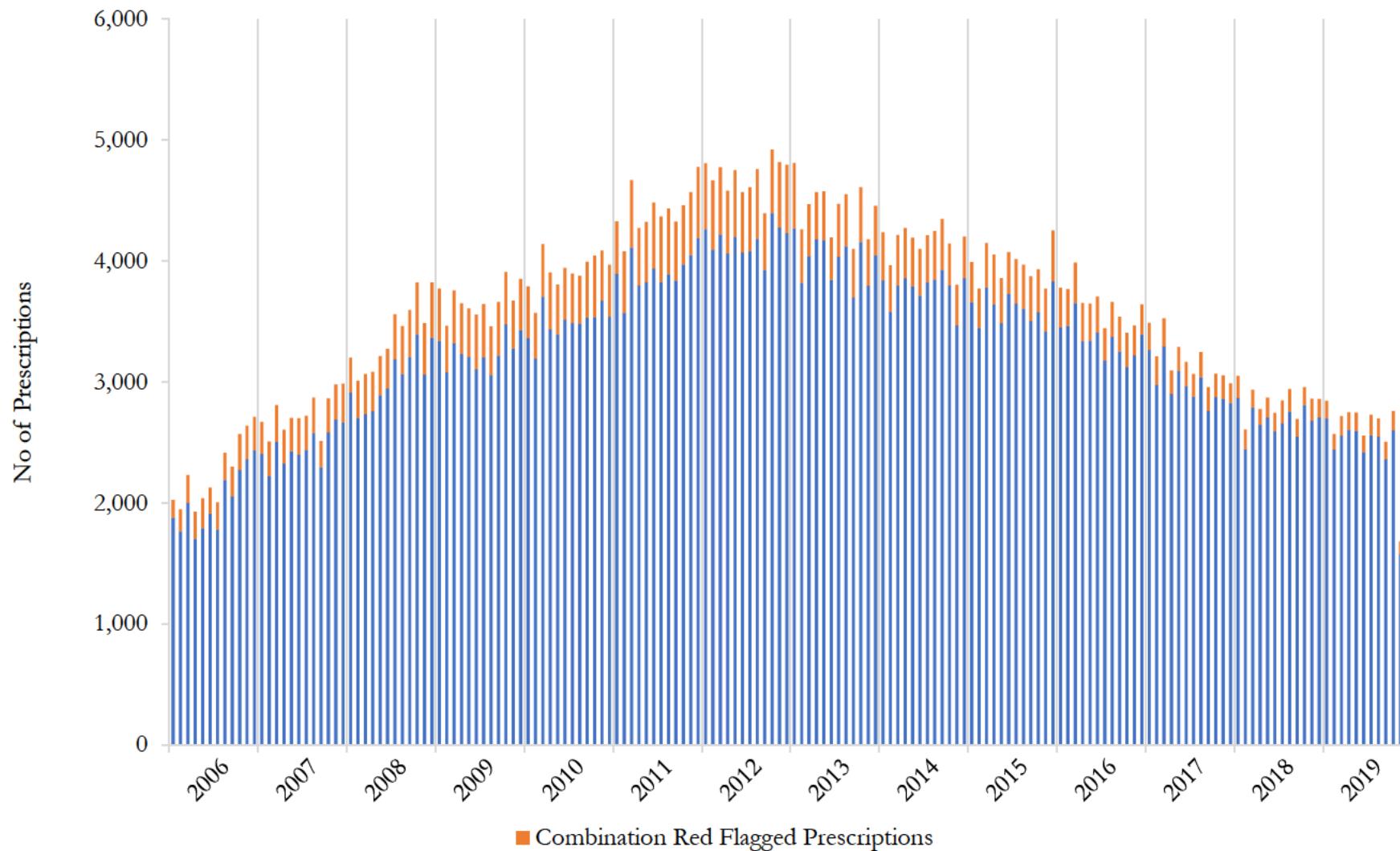
Notes:

<sup>1</sup> I summarize the 56,913 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

<sup>2</sup> <b>Defendant</b>	<b>Date Range</b>
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions

### Lake County, OH



<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

**Giant Eagle/HBC**  
**Combination Red Flagged Prescriptions Summary**  
**Trumbull County, OH**

	<b>Number of Combination Red Flagged Prescriptions</b>	<b>Total Number of Prescriptions</b>
All Prescriptions	107,785	803,345
Opioid Prescriptions	80,199	448,877

<b>Red Flag Computation</b>	<b>Flagged</b>	<b>%</b>	<b>%</b>
Flagged for Any of the Red Flag Computation 1-16	107,785	100.0%	13.4%
Red Flag Computation 1	1,098	1.4%	0.2%
Red Flag Computation 2	16,103	20.1%	3.6%
Red Flag Computation 3	14,143	17.6%	3.2%
Red Flag Computation 4	3,511	4.4%	0.8%
Red Flag Computation 5	14,284	13.3%	1.8%
Red Flag Computation 6	4,554	4.2%	0.6%
Red Flag Computation 7	61,802	57.3%	7.7%
Red Flag Computation 8	44,806	41.6%	5.6%
Red Flag Computation 9	2,953	3.7%	0.7%
Red Flag Computation 10	3,148	3.9%	0.7%
Red Flag Computation 11	2,499	3.1%	0.6%
Red Flag Computation 12	5,139	6.4%	1.1%
Red Flag Computation 13	14,223	17.7%	3.2%
Red Flag Computation 14	2,204	2.7%	0.5%
Red Flag Computation 15	25,166	31.4%	5.6%
Red Flag Computation 16	2,586	3.2%	0.6%

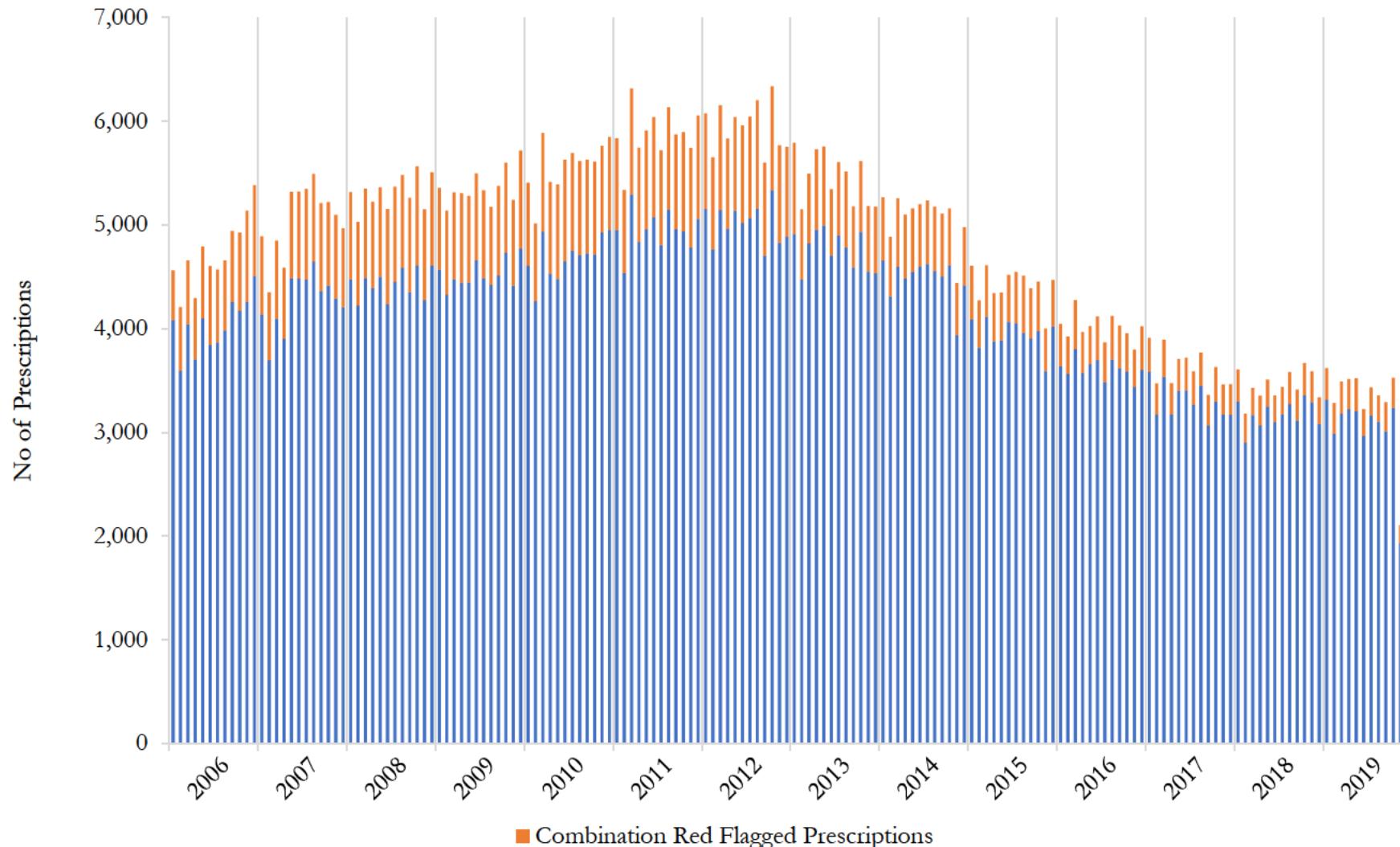
Notes:

<sup>1</sup> I summarize the 107,785 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

<b><u>Defendant</u></b>	<b><u>Date Range</u></b>
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions

### Trumbull County, OH



<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

B. Combination Red Flagged Prescriptions –  
Red Flag Computation 1-16 Summary by Year

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County and Trumbull County, OH

Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 1	2,889	188	231	197	219	227	343	315	251	287	192	114	115	107	103
	2.29%	2.18%	2.34%	1.69%	1.87%	1.86%	2.55%	2.30%	2.50%	3.28%	2.54%	1.83%	2.50%	2.65%	2.85%
Red Flag Computation 2	29,231	2,137	2,207	2,359	2,316	2,389	2,864	2,598	2,529	2,455	2,226	1,777	1,322	1,135	917
	23.20%	24.80%	22.34%	20.26%	19.78%	19.53%	21.31%	18.99%	25.20%	28.03%	29.50%	28.58%	28.73%	28.12%	25.41%
Red Flag Computation 3	21,885	1,460	1,685	2,110	2,052	2,069	2,403	2,412	1,902	1,528	1,266	1,056	761	636	545
	17.37%	16.95%	17.06%	18.12%	17.53%	16.92%	17.88%	17.63%	18.95%	17.45%	16.78%	16.99%	16.54%	15.76%	15.10%
Red Flag Computation 4	6,221	339	537	516	577	566	605	683	548	511	449	331	203	194	162
	4.94%	3.93%	5.44%	4.43%	4.93%	4.63%	4.50%	4.99%	5.46%	5.84%	5.95%	5.32%	4.41%	4.81%	4.49%
Red Flag Computation 5	21,386	1,356	1,697	1,741	1,961	2,052	2,541	2,423	2,040	1,559	1,208	1,051	726	599	432
	12.98%	12.21%	13.21%	11.66%	12.97%	12.97%	14.56%	13.68%	15.17%	13.27%	11.98%	12.68%	11.75%	11.23%	9.32%
Red Flag Computation 6	6,262	331	648	640	676	728	862	689	599	386	296	209	106	58	34
	3.80%	2.98%	5.04%	4.29%	4.47%	4.60%	4.94%	3.89%	4.45%	3.29%	2.94%	2.52%	1.72%	1.09%	0.73%
Red Flag Computation 7	89,220	5,879	6,789	7,495	7,818	8,241	9,133	9,189	7,658	6,862	5,976	4,881	3,721	3,152	2,426
	54.17%	52.95%	52.85%	50.19%	51.72%	52.09%	52.34%	51.88%	56.93%	58.42%	59.27%	58.89%	60.22%	59.11%	52.33%
Red Flag Computation 8	61,969	3,831	4,697	5,272	5,398	5,735	6,287	6,358	5,348	4,793	4,300	3,432	2,611	2,183	1,724
	37.63%	34.50%	36.56%	35.31%	35.71%	36.25%	36.03%	35.89%	39.76%	40.81%	42.65%	41.41%	42.26%	40.94%	37.19%
Red Flag Computation 9	4,768	194	309	304	308	320	493	365	384	459	496	382	263	293	198
	3.78%	2.25%	3.13%	2.61%	2.63%	2.62%	3.67%	2.67%	3.83%	5.24%	6.57%	6.14%	5.71%	7.26%	5.49%
Red Flag Computation 10	4,148	485	353	224	210	256	283	227	197	190	226	137	98	52	1,210
	3.29%	5.63%	3.57%	1.92%	1.79%	2.09%	2.11%	1.66%	1.96%	2.17%	3.00%	2.20%	2.13%	1.29%	33.53%
Red Flag Computation 11	3,138	485	353	224	210	256	283	227	197	190	226	137	98	52	200
	2.49%	5.63%	3.57%	1.92%	1.79%	2.09%	2.11%	1.66%	1.96%	2.17%	3.00%	2.20%	2.13%	1.29%	5.54%
Red Flag Computation 12	7,075	475	637	685	739	705	798	1,002	560	463	326	122	131	169	263
	5.62%	5.51%	6.45%	5.88%	6.31%	5.76%	5.94%	7.32%	5.58%	5.29%	4.32%	1.96%	2.85%	4.19%	7.29%
Red Flag Computation 13	19,624	1,670	2,081	2,603	2,557	2,817	3,323	3,503	503	165	119	59	49	80	95
	15.58%	19.38%	21.07%	22.36%	21.84%	23.03%	24.73%	25.60%	5.01%	1.88%	1.58%	0.95%	1.06%	1.98%	2.63%
Red Flag Computation 14	3,450	231	405	499	454	465	458	391	316	231	0	0	0	0	0
	2.74%	2.68%	4.10%	4.29%	3.88%	3.80%	3.41%	2.86%	3.15%	2.64%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	38,025	2,503	3,193	3,617	3,564	3,619	3,982	3,987	3,326	2,642	1,979	1,809	1,474	1,305	1,025
	30.18%	29.05%	32.33%	31.07%	30.44%	29.59%	29.63%	29.14%	33.14%	30.17%	26.23%	29.10%	32.03%	32.33%	28.40%
Red Flag Computation 16	5,692	0	52	1,458	1,017	898	473	847	426	297	107	79	18	18	2
	4.52%	0.00%	0.53%	12.52%	8.69%	7.34%	3.52%	6.19%	4.25%	3.39%	1.42%	1.27%	0.39%	0.45%	0.06%
Flagged for Any of the Red Flag Computation 1-16	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

## Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County and Trumbull County, OH

Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
Red Flag Computation 1	181,641	12,013	14,551	13,242	13,228	12,796	21,468	20,792	13,727	16,060	11,754	8,282	7,762	6,977	8,989
	2.09%	2.15%	2.21%	1.65%	1.63%	1.53%	2.25%	2.13%	1.90%	2.65%	2.34%	1.92%	2.39%	2.54%	3.58%
Red Flag Computation 2	1,633,487	118,961	125,930	141,517	137,626	135,708	166,715	146,964	132,754	118,880	101,706	99,486	82,355	69,307	55,578
	18.77%	21.34%	19.15%	17.66%	16.98%	16.19%	17.50%	15.06%	18.39%	19.58%	20.29%	23.11%	25.40%	25.24%	22.13%
Red Flag Computation 3	1,402,869	91,142	109,361	138,559	140,089	133,441	159,719	158,746	121,563	94,550	73,933	67,022	47,238	37,428	30,078
	16.12%	16.35%	16.63%	17.29%	17.28%	15.92%	16.77%	16.27%	16.84%	15.57%	14.75%	15.57%	14.57%	13.63%	11.97%
Red Flag Computation 4	479,467	22,813	36,642	37,987	43,721	40,049	48,205	52,538	41,364	43,981	36,389	29,454	16,691	16,554	13,099
	5.51%	4.09%	5.57%	4.74%	5.39%	4.78%	5.06%	5.38%	5.73%	7.24%	7.26%	6.84%	5.15%	6.02%	5.21%
Red Flag Computation 5	1,579,447	95,547	119,485	130,460	157,986	150,246	196,096	185,184	155,679	118,002	85,435	75,126	47,142	36,656	26,403
	14.38%	13.45%	14.31%	13.08%	15.37%	14.26%	16.46%	15.26%	16.88%	15.02%	13.37%	13.84%	11.49%	10.67%	8.59%
Red Flag Computation 6	477,568	24,934	43,755	47,574	56,538	57,698	67,102	51,518	47,888	31,777	22,189	15,602	6,122	3,459	1,412
	4.35%	3.51%	5.24%	4.77%	5.50%	5.47%	5.63%	4.24%	5.19%	4.05%	3.47%	2.87%	1.49%	1.01%	0.46%
Red Flag Computation 7	6,136,126	394,089	459,158	526,268	559,872	574,837	646,373	641,825	529,162	474,844	397,240	326,202	246,284	202,867	157,105
	55.88%	55.46%	54.99%	52.76%	54.47%	54.54%	54.26%	52.88%	57.38%	60.45%	62.16%	60.08%	60.03%	59.07%	51.14%
Red Flag Computation 8	4,274,509	265,139	320,851	363,670	389,660	401,482	436,257	442,561	367,201	337,496	285,364	228,558	173,334	144,930	118,006
	38.93%	37.31%	38.43%	36.46%	37.91%	38.09%	36.62%	36.46%	39.82%	42.96%	44.65%	42.10%	42.25%	42.20%	38.41%
Red Flag Computation 9	333,147	13,422	18,620	22,685	25,252	26,050	42,997	30,423	29,062	27,990	30,639	24,610	15,194	14,889	11,314
	3.83%	2.41%	2.83%	2.83%	3.12%	3.11%	4.51%	3.12%	4.03%	4.61%	6.11%	5.72%	4.69%	5.42%	4.50%
Red Flag Computation 10	338,426	43,079	30,290	17,293	17,726	15,490	20,692	16,351	19,206	15,544	17,333	11,306	8,580	3,528	102,008
	3.89%	7.73%	4.61%	2.16%	2.19%	1.85%	2.17%	1.68%	2.66%	2.56%	3.46%	2.63%	2.65%	1.28%	40.61%
Red Flag Computation 11	248,228	43,079	30,290	17,293	17,726	15,490	20,692	16,351	19,206	15,544	17,333	11,306	8,580	3,528	11,810
	2.85%	7.73%	4.61%	2.16%	2.19%	1.85%	2.17%	1.68%	2.66%	2.56%	3.46%	2.63%	2.65%	1.28%	4.70%
Red Flag Computation 12	551,602	25,169	43,928	52,647	51,246	53,861	60,535	78,295	51,124	43,803	30,216	9,271	10,481	16,032	24,994
	6.34%	4.51%	6.68%	6.57%	6.32%	6.43%	6.36%	8.02%	7.08%	7.22%	6.03%	2.15%	3.23%	5.84%	9.95%
Red Flag Computation 13	1,296,762	88,139	128,185	178,928	169,874	178,921	221,555	242,863	40,393	12,751	10,450	4,957	4,210	6,342	9,194
	14.90%	15.81%	19.50%	22.32%	20.96%	21.35%	23.26%	24.89%	5.60%	2.10%	2.08%	1.15%	1.30%	2.31%	3.66%
Red Flag Computation 14	326,967	21,966	39,080	48,541	41,776	41,527	43,499	39,311	29,595	21,672	0	0	0	0	0
	3.76%	3.94%	5.94%	6.06%	5.15%	4.95%	4.57%	4.03%	4.10%	3.57%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	3,162,783	197,737	251,716	305,341	304,971	305,964	340,710	360,055	289,479	227,258	157,103	144,045	113,517	92,076	72,811
	36.34%	35.47%	38.28%	38.09%	37.62%	36.50%	35.77%	36.90%	40.10%	37.43%	31.34%	33.46%	35.02%	33.54%	28.99%
Red Flag Computation 16	231,407	0	2,843	71,195	46,600	35,716	16,915	28,246	15,139	9,197	2,659	1,847	318	682	50
	2.66%	0.00%	0.43%	8.88%	5.75%	4.26%	1.78%	2.89%	2.10%	1.51%	0.53%	0.43%	0.10%	0.25%	0.02%
Flagged for Any of the Red Flag Computation 1-16	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

Defendant

## Date Range

January 1, 2006 to November 29, 2019

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County and Trumbull County, OH

Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 1	2,400,915	129,125	162,508	162,205	176,093	163,153	309,418	330,380	221,170	216,103	133,945	98,406	94,298	93,960	110,153
	2.05%	1.49%	1.88%	1.56%	1.65%	1.50%	2.53%	2.72%	2.37%	2.61%	1.76%	1.60%	1.99%	2.40%	3.30%
Red Flag Computation 2	21,191,385	1,773,992	1,600,904	1,856,424	1,733,657	1,561,764	2,112,389	2,104,344	1,641,905	1,405,518	1,170,422	1,201,507	1,187,354	1,090,833	750,372
	18.12%	20.45%	18.48%	17.88%	16.20%	14.38%	17.26%	17.33%	17.63%	17.00%	15.38%	19.54%	25.12%	27.88%	22.48%
Red Flag Computation 3	21,012,270	1,527,694	1,697,260	2,118,781	2,169,774	1,892,178	2,353,582	2,375,257	1,693,540	1,317,274	1,093,962	945,999	805,868	600,727	420,376
	17.96%	17.61%	19.59%	20.41%	20.28%	17.42%	19.23%	19.57%	18.18%	15.94%	14.38%	15.39%	17.05%	15.36%	12.60%
Red Flag Computation 4	7,884,630	431,464	735,881	661,648	722,119	695,471	838,266	851,492	738,094	653,540	479,163	359,759	260,621	258,032	199,083
	6.74%	4.97%	8.49%	6.37%	6.75%	6.40%	6.85%	7.01%	7.92%	7.91%	6.30%	5.85%	5.51%	6.60%	5.97%
Red Flag Computation 5	13,408,620	910,410	791,937	978,220	1,577,045	1,320,293	1,651,996	1,449,139	1,124,182	999,975	764,000	576,330	415,717	515,309	334,068
	11.46%	10.49%	9.14%	9.42%	14.74%	12.16%	13.50%	11.94%	12.07%	12.10%	10.04%	9.37%	8.79%	13.17%	10.01%
Red Flag Computation 6	3,070,248	176,548	186,397	183,453	357,233	431,787	551,664	318,303	305,500	261,585	128,336	100,795	42,515	17,185	8,950
	2.62%	2.03%	2.15%	1.77%	3.34%	3.98%	4.51%	2.62%	3.28%	3.16%	1.69%	1.64%	0.90%	0.44%	0.27%
Red Flag Computation 7	59,193,819	4,077,151	4,150,347	4,623,359	5,331,527	5,508,065	6,232,900	5,908,245	4,981,355	4,719,892	4,475,564	3,315,275	2,431,861	2,016,291	1,421,990
	50.60%	46.99%	47.90%	44.54%	49.83%	50.71%	50.93%	48.67%	53.48%	57.10%	58.82%	53.92%	51.45%	51.54%	42.61%
Red Flag Computation 8	33,158,422	2,251,011	2,438,811	2,492,112	2,800,495	3,241,877	3,622,533	3,296,397	2,809,465	2,612,765	2,517,612	1,874,780	1,298,020	1,018,537	884,008
	28.35%	25.94%	28.15%	24.01%	26.17%	29.85%	29.60%	27.15%	30.17%	31.61%	33.09%	30.49%	27.46%	26.04%	26.49%
Red Flag Computation 9	4,874,088	249,351	288,322	244,890	279,074	337,065	647,988	394,093	411,313	389,634	489,388	425,456	283,661	269,408	164,448
	4.17%	2.87%	3.33%	2.36%	2.61%	3.10%	5.29%	3.25%	4.42%	4.71%	6.43%	6.92%	6.00%	6.89%	4.93%
Red Flag Computation 10	21,948,821	2,549,722	1,571,878	1,877,330	2,042,150	1,873,814	2,121,302	1,657,544	1,459,790	1,422,147	1,640,394	890,799	558,180	282,440	2,001,331
	18.76%	29.39%	18.14%	18.09%	19.09%	17.25%	17.33%	13.65%	15.67%	17.21%	21.56%	14.49%	11.81%	7.22%	59.97%
Red Flag Computation 11	20,497,938	2,549,722	1,571,878	1,877,330	2,042,150	1,873,814	2,121,302	1,657,544	1,459,790	1,422,147	1,640,394	890,799	558,180	282,440	550,448
	17.52%	29.39%	18.14%	18.09%	19.09%	17.25%	17.33%	13.65%	15.67%	17.21%	21.56%	14.49%	11.81%	7.22%	16.49%
Red Flag Computation 12	4,908,563	196,595	363,845	454,288	433,220	487,595	529,948	654,988	442,650	402,973	313,543	81,195	103,910	166,778	277,038
	4.20%	2.27%	4.20%	4.38%	4.05%	4.49%	4.33%	5.40%	4.75%	4.88%	4.12%	1.32%	2.20%	4.26%	8.30%
Red Flag Computation 13	10,777,933	687,455	1,043,116	1,443,424	1,376,000	1,527,110	1,888,750	1,977,248	343,208	118,788	112,183	39,538	42,834	70,750	107,533
	9.21%	7.92%	12.04%	13.91%	12.86%	14.06%	15.43%	16.29%	3.69%	1.44%	1.47%	0.64%	0.91%	1.81%	3.22%
Red Flag Computation 14	2,467,666	158,155	292,100	364,250	314,593	328,653	332,115	292,710	226,043	159,049	0	0	0	0	0
	2.11%	1.82%	3.37%	3.51%	2.94%	3.03%	2.71%	2.41%	2.43%	1.92%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	60,944,306	4,613,805	4,567,887	5,668,292	5,928,271	5,628,954	6,109,470	6,134,271	4,944,783	4,413,716	3,935,708	3,208,550	2,451,178	2,050,801	1,288,621
	52.10%	53.17%	52.72%	54.61%	55.41%	51.82%	49.92%	50.53%	53.09%	53.40%	51.73%	52.18%	51.85%	52.42%	38.61%
Red Flag Computation 16	1,989,795	0	21,490	654,134	415,958	285,054	138,164	232,146	116,767	81,893	21,746	13,148	2,826	6,170	300
	1.70%	0.00%	0.25%	6.30%	3.89%	2.62%	1.13%	1.91%	1.25%	0.99%	0.29%	0.21%	0.06%	0.16%	0.01%
Flagged for Any of the Red Flag Computation 1-16	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

## Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County, OH

Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 1	1,791	85	132	100	100	120	206	205	162	210	145	81	89	91	65
	3.91%	3.73%	4.87%	2.82%	2.44%	2.90%	4.14%	3.92%	4.08%	5.74%	4.14%	2.90%	4.56%	5.71%	4.74%
Red Flag Computation 2	13,128	788	829	981	998	988	1,287	1,212	1,209	1,222	1,240	913	635	501	325
	28.67%	34.61%	30.56%	27.71%	24.38%	23.92%	25.90%	23.18%	30.43%	33.41%	35.40%	32.71%	32.51%	31.45%	23.71%
Red Flag Computation 3	7,742	456	483	584	737	686	796	874	800	647	557	409	277	217	219
	16.91%	20.03%	17.80%	16.50%	18.01%	16.61%	16.02%	16.71%	20.14%	17.69%	15.90%	14.65%	14.18%	13.62%	15.97%
Red Flag Computation 4	2,710	108	161	171	267	269	270	365	264	178	222	166	113	89	67
	5.92%	4.74%	5.93%	4.83%	6.52%	6.51%	5.43%	6.98%	6.64%	4.87%	6.34%	5.95%	5.79%	5.59%	4.89%
Red Flag Computation 5	7,102	367	446	493	644	688	813	778	694	593	505	391	274	244	172
	12.48%	13.19%	13.14%	11.29%	12.77%	13.31%	13.15%	12.08%	13.70%	12.80%	11.55%	11.16%	11.32%	12.57%	10.77%
Red Flag Computation 6	1,708	64	142	135	181	231	263	222	126	152	99	36	17	19	21
	3.00%	2.30%	4.18%	3.09%	3.59%	4.47%	4.25%	3.45%	2.49%	3.28%	2.26%	1.03%	0.70%	0.98%	1.31%
Red Flag Computation 7	27,418	1,259	1,594	1,960	2,228	2,429	2,917	2,956	2,635	2,440	2,263	1,858	1,277	979	623
	48.18%	45.24%	46.97%	44.90%	44.16%	46.98%	47.18%	45.89%	52.03%	52.68%	51.77%	53.01%	52.75%	50.44%	39.01%
Red Flag Computation 8	17,163	761	1,009	1,274	1,434	1,611	1,879	1,894	1,610	1,484	1,437	1,150	731	543	346
	30.16%	27.34%	29.73%	29.19%	28.42%	31.16%	30.39%	29.40%	31.79%	32.04%	32.88%	32.81%	30.19%	27.98%	21.67%
Red Flag Computation 9	1,815	85	91	84	78	80	134	111	143	221	228	176	144	129	111
	3.96%	3.73%	3.35%	2.37%	1.91%	1.94%	2.70%	2.12%	3.60%	6.04%	6.51%	6.31%	7.37%	8.10%	8.10%
Red Flag Computation 10	1,000	56	14	41	39	54	61	55	37	32	71	53	43	15	429
	2.18%	2.46%	0.52%	1.16%	0.95%	1.31%	1.23%	1.05%	0.93%	0.87%	2.03%	1.90%	2.20%	0.94%	31.29%
Red Flag Computation 11	639	56	14	41	39	54	61	55	37	32	71	53	43	15	68
	1.40%	2.46%	0.52%	1.16%	0.95%	1.31%	1.23%	1.05%	0.93%	0.87%	2.03%	1.90%	2.20%	0.94%	4.96%
Red Flag Computation 12	1,936	71	114	139	168	158	277	307	136	109	82	45	53	96	181
	4.23%	3.12%	4.20%	3.93%	4.10%	3.82%	5.57%	5.87%	3.42%	2.98%	2.34%	1.61%	2.71%	6.03%	13.20%
Red Flag Computation 13	5,401	279	408	674	634	746	1,130	1,174	149	37	33	26	19	26	66
	11.79%	12.25%	15.04%	19.04%	15.49%	18.06%	22.74%	22.45%	3.75%	1.01%	0.94%	0.93%	0.97%	1.63%	4.81%
Red Flag Computation 14	1,246	99	144	153	162	137	196	159	110	86	0	0	0	0	0
	2.72%	4.35%	5.31%	4.32%	3.96%	3.32%	3.94%	3.04%	2.77%	2.35%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	12,859	749	784	806	1,197	1,018	1,225	1,370	1,279	1,160	921	847	606	516	381
	28.08%	32.89%	28.90%	22.77%	29.25%	24.64%	24.65%	26.20%	32.19%	31.71%	26.29%	30.35%	31.03%	32.39%	27.79%
Red Flag Computation 16	3,106	0	0	640	691	605	255	424	215	142	62	41	15	14	2
	6.78%	0.00%	0.00%	18.08%	16.88%	14.65%	5.13%	8.11%	5.41%	3.88%	1.77%	1.47%	0.77%	0.88%	0.15%
Flagged for Any of the Red Flag Computation 1-16	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

## Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County, OH

Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 1	115,489	4,763	8,401	6,110	6,166	7,086	13,302	13,715	10,098	11,897	9,302	6,663	6,690	5,787	5,509
	3.93%	3.49%	5.15%	2.62%	2.33%	2.65%	4.05%	3.94%	3.84%	5.35%	4.44%	3.71%	5.29%	5.64%	5.69%
Red Flag Computation 2	718,156	42,119	49,293	61,983	60,914	55,730	72,319	63,721	58,925	57,388	56,391	50,702	37,421	30,033	21,217
	24.41%	30.87%	30.24%	26.59%	23.03%	20.82%	22.00%	18.30%	22.40%	25.81%	26.92%	28.27%	29.61%	29.26%	21.91%
Red Flag Computation 3	444,942	24,156	27,581	35,485	44,339	39,879	45,034	50,988	46,073	36,048	31,917	22,790	17,001	11,366	12,285
	15.12%	17.70%	16.92%	15.22%	16.76%	14.90%	13.70%	14.64%	17.51%	16.21%	15.23%	12.71%	13.45%	11.07%	12.68%
Red Flag Computation 4	205,247	6,770	11,229	11,938	19,730	19,244	22,053	28,208	18,167	12,862	18,131	14,674	9,133	7,616	5,492
	6.98%	4.96%	6.89%	5.12%	7.46%	7.19%	6.71%	8.10%	6.91%	5.78%	8.65%	8.18%	7.23%	7.42%	5.67%
Red Flag Computation 5	508,338	27,658	28,721	33,467	51,641	53,781	67,036	59,686	48,446	40,318	31,885	26,410	15,042	13,344	10,903
	14.56%	16.78%	14.67%	12.36%	16.30%	16.63%	16.99%	14.61%	15.27%	14.94%	12.85%	12.39%	10.27%	11.57%	10.27%
Red Flag Computation 6	125,261	5,028	7,638	8,017	14,440	18,786	22,071	15,948	9,359	11,512	6,852	3,270	554	878	908
	3.59%	3.05%	3.90%	2.96%	4.56%	5.81%	5.60%	3.90%	2.95%	4.26%	2.76%	1.53%	0.38%	0.76%	0.86%
Red Flag Computation 7	1,663,675	79,596	93,053	123,078	138,677	158,069	193,708	180,574	158,801	143,907	129,876	109,172	71,855	49,794	33,515
	47.66%	48.28%	47.52%	45.46%	43.78%	48.87%	49.11%	44.21%	50.05%	53.31%	52.34%	51.23%	49.07%	43.18%	31.57%
Red Flag Computation 8	988,342	46,990	56,751	71,901	85,495	101,864	119,391	110,830	91,387	83,596	77,118	65,505	37,770	23,238	16,506
	28.31%	28.50%	28.98%	26.56%	26.99%	31.49%	30.27%	27.14%	28.80%	30.97%	31.08%	30.74%	25.79%	20.15%	15.55%
Red Flag Computation 9	116,066	5,381	5,526	5,658	5,439	7,421	7,906	9,840	9,889	11,732	12,198	11,150	9,373	7,462	7,091
	3.95%	3.94%	3.39%	2.43%	2.06%	2.77%	2.41%	2.83%	3.76%	5.28%	5.82%	6.22%	7.42%	7.27%	7.32%
Red Flag Computation 10	93,284	2,980	750	2,879	4,243	4,763	7,364	7,529	4,510	3,377	6,160	5,001	4,120	1,160	38,448
	3.17%	2.18%	0.46%	1.24%	1.60%	1.78%	2.24%	2.16%	1.71%	1.52%	2.94%	2.79%	3.26%	1.13%	39.70%
Red Flag Computation 11	59,698	2,980	750	2,879	4,243	4,763	7,364	7,529	4,510	3,377	6,160	5,001	4,120	1,160	4,862
	2.03%	2.18%	0.46%	1.24%	1.60%	1.78%	2.24%	2.16%	1.71%	1.52%	2.94%	2.79%	3.26%	1.13%	5.02%
Red Flag Computation 12	146,153	2,174	5,759	10,771	10,188	11,643	17,973	25,151	13,071	10,648	5,030	2,715	4,026	9,330	17,674
	4.97%	1.59%	3.53%	4.62%	3.85%	4.35%	5.47%	7.22%	4.97%	4.79%	2.40%	1.51%	3.19%	9.09%	18.25%
Red Flag Computation 13	331,948	9,747	16,755	48,217	40,056	43,356	64,309	80,454	12,894	2,479	1,286	2,397	1,520	1,929	6,549
	11.28%	7.14%	10.28%	20.69%	15.14%	16.20%	19.56%	23.10%	4.90%	1.11%	0.61%	1.34%	1.20%	1.88%	6.76%
Red Flag Computation 14	118,554	11,248	14,002	15,691	14,559	12,177	18,209	15,615	9,925	7,128	0	0	0	0	0
	4.03%	8.24%	8.59%	6.73%	5.50%	4.55%	5.54%	4.48%	3.77%	3.21%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	1,100,538	59,009	62,184	75,261	104,852	93,529	113,664	133,871	111,403	92,924	75,336	65,333	45,687	38,166	29,319
	37.41%	43.25%	38.15%	32.29%	39.64%	34.94%	34.58%	38.44%	42.35%	41.79%	35.96%	36.42%	36.16%	37.19%	30.27%
Red Flag Computation 16	119,974	0	0	27,356	31,016	21,674	9,360	15,138	8,706	4,162	1,268	700	242	302	50
	4.08%	0.00%	0.00%	11.74%	11.73%	8.10%	2.85%	4.35%	3.31%	1.87%	0.61%	0.39%	0.19%	0.29%	0.05%
Flagged for Any of the Red Flag Computation 1-16	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

Defendant

## Date Range

January 1, 2006 to November 29, 2019

Giant Eagle/HBC

January 1, 2006 to December 3, 2019

Rite Aid

January 1, 2006 to November 19, 2019

Walgreens

January 3, 2006 to January 3, 2020

Wal-Mart

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County, OH

Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 1	1,478,026	42,085	71,110	42,835	51,135	68,199	200,020	261,960	177,755	156,233	105,878	76,963	82,230	82,865	58,760
	4.18%	1.99%	3.92%	1.87%	1.78%	2.17%	5.28%	6.64%	5.63%	5.75%	3.85%	3.23%	4.50%	6.03%	4.94%
Red Flag Computation 2	8,089,368	815,004	491,247	567,183	537,242	473,022	781,278	871,968	677,122	618,541	580,948	583,181	494,904	395,618	202,112
	22.87%	38.53%	27.05%	24.71%	18.73%	15.05%	20.62%	22.11%	21.44%	22.77%	21.12%	24.49%	27.07%	28.79%	16.99%
Red Flag Computation 3	5,469,671	342,543	355,087	351,739	517,247	453,909	548,746	622,032	557,306	432,967	428,123	291,902	236,889	163,938	167,245
	15.46%	16.19%	19.55%	15.33%	18.03%	14.44%	14.48%	15.77%	17.65%	15.94%	15.56%	12.26%	12.96%	11.93%	14.06%
Red Flag Computation 4	3,094,032	105,480	169,875	150,810	305,724	349,291	361,901	390,704	347,685	180,714	210,330	168,168	149,834	124,289	79,230
	8.75%	4.99%	9.35%	6.57%	10.66%	11.11%	9.55%	9.91%	11.01%	6.65%	7.65%	7.06%	8.20%	9.05%	6.66%
Red Flag Computation 5	4,392,374	389,655	209,979	227,615	416,303	430,978	500,684	470,120	353,146	393,696	366,068	226,952	147,838	154,717	104,625
	12.42%	18.42%	11.56%	9.92%	14.51%	13.71%	13.21%	11.92%	11.18%	14.49%	13.31%	9.53%	8.09%	11.26%	8.79%
Red Flag Computation 6	740,191	57,555	36,989	30,625	47,265	111,325	121,689	74,455	58,590	107,955	62,073	19,830	2,145	2,880	6,815
	2.09%	2.72%	2.04%	1.33%	1.65%	3.54%	3.21%	1.89%	1.86%	3.97%	2.26%	0.83%	0.12%	0.21%	0.57%
Red Flag Computation 7	15,232,860	884,449	795,151	950,266	1,178,800	1,392,699	1,628,207	1,630,295	1,388,298	1,337,427	1,294,992	1,098,416	792,310	555,543	306,008
	43.07%	41.82%	43.78%	41.41%	41.10%	44.31%	42.97%	41.34%	43.97%	49.23%	47.07%	46.13%	43.34%	40.43%	25.72%
Red Flag Computation 8	6,885,660	385,623	374,802	460,793	526,488	742,866	782,277	707,578	661,576	648,414	593,831	494,609	256,242	144,755	105,808
	19.47%	18.23%	20.64%	20.08%	18.36%	23.64%	20.64%	17.94%	20.95%	23.87%	21.58%	20.77%	14.02%	10.53%	8.89%
Red Flag Computation 9	1,785,386	141,183	84,223	65,203	59,623	109,668	83,585	159,308	132,520	151,669	199,356	198,020	164,450	131,971	104,610
	5.05%	6.67%	4.64%	2.84%	2.08%	3.49%	2.21%	4.04%	4.20%	5.58%	7.25%	8.32%	8.99%	9.60%	8.79%
Red Flag Computation 10	4,551,754	495,852	91,200	262,350	381,305	482,459	565,182	348,514	233,090	187,402	321,840	251,039	192,990	45,900	692,631
	12.87%	23.44%	5.02%	11.43%	13.29%	15.35%	14.91%	8.84%	7.38%	6.90%	11.70%	10.54%	10.56%	3.34%	58.21%
Red Flag Computation 11	4,030,431	495,852	91,200	262,350	381,305	482,459	565,182	348,514	233,090	187,402	321,840	251,039	192,990	45,900	171,308
	11.40%	23.44%	5.02%	11.43%	13.29%	15.35%	14.91%	8.84%	7.38%	6.90%	11.70%	10.54%	10.56%	3.34%	14.40%
Red Flag Computation 12	1,133,353	18,095	38,150	73,398	74,665	91,303	130,120	177,893	91,985	75,773	36,855	18,850	36,318	86,105	183,845
	3.20%	0.86%	2.10%	3.20%	2.60%	2.90%	3.43%	4.51%	2.91%	2.79%	1.34%	0.79%	1.99%	6.27%	15.45%
Red Flag Computation 13	2,387,732	75,863	119,763	327,287	284,765	309,353	458,930	572,290	95,443	16,898	10,138	13,668	15,465	18,245	69,628
	6.75%	3.59%	6.59%	14.26%	9.93%	9.84%	12.11%	14.51%	3.02%	0.62%	0.57%	0.85%	1.33%	5.85%	
Red Flag Computation 14	797,786	74,740	98,525	97,665	96,695	85,403	129,238	103,250	65,178	47,094	0	0	0	0	0
	2.26%	3.53%	5.43%	4.26%	3.37%	2.72%	3.41%	2.62%	2.06%	1.73%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	18,292,246	1,346,087	910,160	950,283	1,537,962	1,597,016	1,891,945	1,975,462	1,741,706	1,509,586	1,374,328	1,269,385	987,091	741,922	459,315
	51.72%	63.64%	50.12%	41.41%	53.62%	50.81%	49.93%	50.09%	55.16%	55.57%	49.95%	53.31%	53.99%	53.99%	38.60%
Red Flag Computation 16	997,259	0	0	268,941	261,283	161,410	68,661	110,641	71,945	32,610	11,459	5,853	1,806	2,350	300
	2.82%	0.00%	0.00%	11.72%	9.11%	5.14%	1.81%	2.81%	2.28%	1.20%	0.42%	0.25%	0.10%	0.17%	0.03%
Flagged for Any of the Red Flag Computation 1-16	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

## Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Trumbull County, OH

Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 1	1,098	103	99	97	119	107	137	110	89	77	47	33	26	16	38
	1.37%	1.62%	1.38%	1.20%	1.56%	1.32%	1.62%	1.30%	1.47%	1.51%	1.16%	0.96%	0.98%	0.65%	1.70%
Red Flag Computation 2	16,103	1,349	1,378	1,378	1,318	1,401	1,577	1,386	1,320	1,233	986	864	687	634	592
	20.08%	21.28%	19.24%	17.01%	17.31%	17.30%	18.63%	16.40%	21.77%	24.18%	24.39%	25.22%	25.93%	25.95%	26.45%
Red Flag Computation 3	14,143	1,004	1,202	1,526	1,315	1,383	1,607	1,538	1,102	881	709	647	484	419	326
	17.63%	15.84%	16.78%	18.83%	17.27%	17.08%	18.98%	18.19%	18.18%	17.28%	17.54%	18.88%	18.27%	17.15%	14.57%
Red Flag Computation 4	3,511	231	376	345	310	297	335	318	284	333	227	165	90	105	95
	4.38%	3.64%	5.25%	4.26%	4.07%	3.67%	3.96%	3.76%	4.68%	6.53%	5.62%	4.82%	3.40%	4.30%	4.24%
Red Flag Computation 5	14,284	989	1,251	1,248	1,317	1,364	1,728	1,645	1,346	966	703	660	452	355	260
	13.25%	11.89%	13.24%	11.81%	13.08%	12.81%	15.34%	14.59%	16.05%	13.58%	12.31%	13.80%	12.03%	10.47%	8.56%
Red Flag Computation 6	4,554	267	506	505	495	497	599	467	473	234	197	173	89	39	13
	4.23%	3.21%	5.35%	4.78%	4.91%	4.67%	5.32%	4.14%	5.64%	3.29%	3.45%	3.62%	2.37%	1.15%	0.43%
Red Flag Computation 7	61,802	4,620	5,195	5,535	5,590	5,812	6,216	6,233	5,023	4,422	3,713	3,023	2,444	2,173	1,803
	57.34%	55.53%	54.96%	52.38%	55.50%	54.57%	55.17%	55.30%	59.88%	62.16%	65.00%	63.20%	65.03%	64.08%	59.33%
Red Flag Computation 8	44,806	3,070	3,688	3,998	3,964	4,124	4,408	4,464	3,738	3,309	2,863	2,282	1,880	1,640	1,378
	41.57%	36.90%	39.02%	37.83%	39.36%	38.72%	39.12%	39.61%	44.56%	46.51%	50.12%	47.71%	50.03%	48.36%	45.34%
Red Flag Computation 9	2,953	109	218	220	230	240	359	254	241	238	268	206	119	164	87
	3.68%	1.72%	3.04%	2.72%	3.02%	2.96%	4.24%	3.00%	3.98%	4.67%	6.63%	6.01%	4.49%	6.71%	3.89%
Red Flag Computation 10	3,148	429	339	183	171	202	222	172	160	158	155	84	55	37	781
	3.93%	6.77%	4.73%	2.26%	2.25%	2.49%	2.62%	2.03%	2.64%	3.10%	3.83%	2.45%	2.08%	1.51%	34.90%
Red Flag Computation 11	2,499	429	339	183	171	202	222	172	160	158	155	84	55	37	132
	3.12%	6.77%	4.73%	2.26%	2.25%	2.49%	2.62%	2.03%	2.64%	3.10%	3.83%	2.45%	2.08%	1.51%	5.90%
Red Flag Computation 12	5,139	404	523	546	571	547	521	695	424	354	244	77	78	73	82
	6.41%	6.37%	7.30%	6.74%	7.50%	6.75%	6.15%	8.22%	6.99%	6.94%	6.04%	2.25%	2.94%	2.99%	3.66%
Red Flag Computation 13	14,223	1,391	1,673	1,929	1,923	2,071	2,193	2,329	354	128	86	33	30	54	29
	17.73%	21.94%	23.35%	23.81%	25.25%	25.57%	25.90%	27.55%	5.84%	2.51%	2.13%	0.96%	1.13%	2.21%	1.30%
Red Flag Computation 14	2,204	132	261	346	292	328	262	232	206	145	0	0	0	0	0
	2.75%	2.08%	3.64%	4.27%	3.83%	4.05%	3.09%	2.74%	3.40%	2.84%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	25,166	1,754	2,409	2,811	2,367	2,601	2,757	2,617	2,047	1,482	1,058	962	868	789	644
	31.38%	27.67%	33.63%	34.69%	31.08%	32.12%	32.56%	30.96%	33.77%	29.06%	26.18%	28.08%	32.77%	32.30%	28.78%
Red Flag Computation 16	2,586	0	52	818	326	293	218	423	211	155	45	38	3	4	0
	3.22%	0.00%	0.73%	10.10%	4.28%	3.62%	2.57%	5.00%	3.48%	3.04%	1.11%	1.11%	0.11%	0.16%	0.00%
Flagged for Any of the Red Flag Computation 1-16	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

## Defendant

CVS

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## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Trumbull County, OH

Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 1	66,152	7,250	6,150	7,132	7,062	5,710	8,166	7,077	3,629	4,163	2,452	1,619	1,072	1,190	3,480
	1.15%	1.72%	1.24%	1.25%	1.29%	1.00%	1.31%	1.13%	0.79%	1.08%	0.84%	0.64%	0.54%	0.69%	2.25%
Red Flag Computation 2	915,331	76,842	76,637	79,534	76,712	79,978	94,396	83,243	73,829	61,492	45,315	48,784	44,934	39,274	34,361
	15.88%	18.25%	15.50%	13.99%	14.05%	14.02%	15.13%	13.26%	16.09%	15.98%	15.53%	19.42%	22.72%	22.84%	22.26%
Red Flag Computation 3	957,927	66,986	81,780	103,074	95,750	93,562	114,685	107,758	75,490	58,502	42,016	44,232	30,237	26,062	17,793
	16.62%	15.91%	16.54%	18.13%	17.53%	16.40%	18.38%	17.17%	16.46%	15.21%	14.40%	17.61%	15.29%	15.16%	11.53%
Red Flag Computation 4	274,220	16,043	25,413	26,049	23,991	20,805	26,152	24,330	23,197	31,119	18,258	14,780	7,558	8,918	7,607
	4.76%	3.81%	5.14%	4.58%	4.39%	3.65%	4.19%	3.88%	5.06%	8.09%	6.26%	5.88%	3.82%	5.19%	4.93%
Red Flag Computation 5	1,071,109	67,889	90,764	96,993	106,345	96,465	129,060	125,498	107,233	77,684	53,550	48,716	32,100	23,312	15,500
	14.30%	12.44%	14.20%	13.35%	14.96%	13.21%	16.20%	15.58%	17.73%	15.07%	13.70%	14.77%	12.17%	10.22%	7.71%
Red Flag Computation 6	352,307	19,906	36,117	39,557	42,098	38,912	45,031	35,570	38,529	20,265	15,337	12,332	5,568	2,581	504
	4.70%	3.65%	5.65%	5.44%	5.92%	5.33%	5.65%	4.42%	6.37%	3.93%	3.92%	3.74%	2.11%	1.13%	0.25%
Red Flag Computation 7	4,472,451	314,493	366,105	403,190	421,195	416,768	452,665	461,251	370,361	330,937	267,364	217,030	174,429	153,073	123,590
	59.72%	57.63%	57.28%	55.48%	59.24%	57.05%	56.82%	57.27%	61.22%	64.18%	68.40%	65.81%	66.12%	67.10%	61.47%
Red Flag Computation 8	3,286,167	218,149	264,100	291,769	304,165	299,618	316,866	331,731	275,814	253,900	208,246	163,053	135,564	121,692	101,500
	43.88%	39.97%	41.32%	40.14%	42.78%	41.01%	39.77%	41.19%	45.59%	49.24%	53.28%	49.44%	51.39%	53.34%	50.49%
Red Flag Computation 9	217,081	8,041	13,094	17,027	19,813	18,629	35,091	20,583	19,173	16,258	18,441	13,460	5,821	7,427	4,223
	3.77%	1.91%	2.65%	3.00%	3.63%	3.27%	5.63%	3.28%	4.18%	4.23%	6.32%	5.36%	2.94%	4.32%	2.74%
Red Flag Computation 10	245,142	40,099	29,540	14,414	13,483	10,727	13,328	8,822	14,696	12,167	11,173	6,305	4,460	2,368	63,560
	4.25%	9.52%	5.97%	2.54%	2.47%	1.88%	2.14%	1.41%	3.20%	3.16%	3.83%	2.51%	2.25%	1.38%	41.18%
Red Flag Computation 11	188,530	40,099	29,540	14,414	13,483	10,727	13,328	8,822	14,696	12,167	11,173	6,305	4,460	2,368	6,948
	3.27%	9.52%	5.97%	2.54%	2.47%	1.88%	2.14%	1.41%	3.20%	3.16%	3.83%	2.51%	2.25%	1.38%	4.50%
Red Flag Computation 12	405,449	22,995	38,169	41,876	41,058	42,218	42,562	53,144	38,053	33,155	25,186	6,556	6,455	6,702	7,320
	7.04%	5.46%	7.72%	7.37%	7.52%	7.40%	6.82%	8.47%	8.29%	8.62%	8.63%	2.61%	3.26%	3.90%	4.74%
Red Flag Computation 13	964,814	78,392	111,430	130,711	129,818	135,565	157,246	162,409	27,499	10,272	9,164	2,560	2,690	4,413	2,645
	16.74%	18.62%	22.53%	22.99%	23.77%	23.76%	25.21%	25.88%	5.99%	2.67%	3.14%	1.02%	1.36%	2.57%	1.71%
Red Flag Computation 14	208,413	10,718	25,078	32,850	27,217	29,350	25,290	23,696	19,670	14,544	0	0	0	0	0
	3.62%	2.55%	5.07%	5.78%	4.98%	5.14%	4.05%	3.78%	4.29%	3.78%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	2,062,245	138,728	189,532	230,080	200,119	212,435	227,046	226,184	178,076	134,334	81,767	78,712	67,830	53,910	43,492
	35.79%	32.95%	38.33%	40.47%	36.65%	37.24%	36.40%	36.04%	38.82%	34.92%	28.02%	31.34%	34.29%	31.36%	28.18%
Red Flag Computation 16	111,433	0	2,843	43,839	15,584	14,042	7,555	13,108	6,433	5,035	1,391	1,147	76	380	0
	1.93%	0.00%	0.57%	7.71%	2.85%	2.46%	1.21%	2.09%	1.40%	1.31%	0.48%	0.46%	0.04%	0.22%	0.00%
Flagged for Any of the Red Flag Computation 1-16	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

## Defendant

Date Range  
 January 1, 2006 to November 29, 2019  
 January 1, 2006 to December 3, 2019  
 January 1, 2006 to November 19, 2019  
 January 3, 2006 to January 3, 2020  
 January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Trumbull County, OH

Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 1	922,888	87,040	91,398	119,370	124,958	94,954	109,398	68,420	43,415	59,870	28,068	21,444	12,068	11,095	51,393
	1.13%	1.33%	1.33%	1.48%	1.60%	1.23%	1.29%	0.83%	0.71%	1.08%	0.58%	0.57%	0.42%	0.44%	2.39%
Red Flag Computation 2	13,102,017	958,988	1,109,657	1,289,242	1,196,416	1,088,742	1,331,111	1,232,376	964,784	786,978	589,474	618,326	692,450	695,215	548,260
	16.06%	14.62%	16.20%	15.95%	15.28%	14.11%	15.75%	15.04%	15.67%	14.18%	12.13%	16.41%	23.89%	27.39%	25.53%
Red Flag Computation 3	15,542,599	1,185,152	1,342,173	1,767,042	1,652,527	1,438,269	1,804,837	1,753,225	1,136,234	884,307	665,839	654,097	568,979	436,790	253,131
	19.05%	18.06%	19.60%	21.86%	21.10%	18.63%	21.36%	21.39%	18.46%	15.94%	13.71%	17.36%	19.63%	17.21%	11.79%
Red Flag Computation 4	4,790,598	325,984	566,006	510,838	416,395	346,180	476,366	460,788	390,409	472,827	268,833	191,591	110,788	133,743	119,853
	5.87%	4.97%	8.27%	6.32%	5.32%	4.48%	5.64%	5.62%	6.34%	8.52%	5.53%	5.09%	3.82%	5.27%	5.58%
Red Flag Computation 5	9,016,246	520,755	581,958	750,605	1,160,743	889,316	1,151,312	979,019	771,036	606,279	397,932	349,379	267,879	360,593	229,443
	11.05%	7.94%	8.50%	9.28%	14.82%	11.52%	13.63%	11.95%	12.52%	10.93%	8.19%	9.27%	9.24%	14.21%	10.68%
Red Flag Computation 6	2,330,057	118,993	149,408	152,828	309,968	320,462	429,975	243,848	246,910	153,630	66,263	80,965	40,370	14,305	2,135
	2.86%	1.81%	2.18%	1.89%	3.96%	4.15%	5.09%	2.98%	4.01%	2.77%	1.36%	2.15%	1.39%	0.56%	0.10%
Red Flag Computation 7	43,960,959	3,192,702	3,355,196	3,673,093	4,152,726	4,115,366	4,604,693	4,277,950	3,593,057	3,382,464	3,180,572	2,216,859	1,639,551	1,460,748	1,115,982
	53.87%	48.66%	49.00%	45.43%	53.03%	53.32%	54.50%	52.20%	58.37%	60.96%	65.48%	58.84%	56.56%	57.56%	51.97%
Red Flag Computation 8	26,272,762	1,865,388	2,064,009	2,031,320	2,274,008	2,499,010	2,840,256	2,588,819	2,147,889	1,964,351	1,923,782	1,380,172	1,041,778	873,783	778,200
	32.20%	28.43%	30.14%	25.12%	29.04%	32.38%	33.62%	31.59%	34.89%	35.40%	39.60%	36.63%	35.94%	34.43%	36.24%
Red Flag Computation 9	3,088,702	108,169	204,099	179,687	219,451	227,398	564,403	234,785	278,793	237,965	290,033	227,436	119,211	137,438	59,838
	3.79%	1.65%	2.98%	2.22%	2.80%	2.95%	6.68%	2.86%	4.53%	4.29%	5.97%	6.04%	4.11%	5.42%	2.79%
Red Flag Computation 10	17,397,067	2,053,870	1,480,678	1,614,980	1,660,845	1,391,355	1,556,120	1,309,030	1,226,700	1,234,745	1,318,554	639,760	365,190	236,540	1,308,700
	21.32%	31.30%	21.62%	19.98%	21.21%	18.03%	18.42%	15.97%	19.93%	22.25%	27.14%	16.98%	12.60%	9.32%	60.94%
Red Flag Computation 11	16,467,507	2,053,870	1,480,678	1,614,980	1,660,845	1,391,355	1,556,120	1,309,030	1,226,700	1,234,745	1,318,554	639,760	365,190	236,540	379,140
	20.18%	31.30%	21.62%	19.98%	21.21%	18.03%	18.42%	15.97%	19.93%	22.25%	27.14%	16.98%	12.60%	9.32%	17.65%
Red Flag Computation 12	3,775,210	178,500	325,695	380,890	358,555	396,293	399,828	477,095	350,665	327,200	276,688	62,345	67,593	80,673	93,193
	4.63%	2.72%	4.76%	4.71%	4.58%	5.13%	4.73%	5.82%	5.70%	5.90%	5.70%	1.65%	2.33%	3.18%	4.34%
Red Flag Computation 13	8,390,201	611,593	923,353	1,116,138	1,091,235	1,217,758	1,429,820	1,404,958	247,765	101,890	102,045	25,870	27,369	52,505	37,905
	10.28%	9.32%	13.48%	13.81%	13.93%	15.78%	16.92%	17.14%	4.02%	1.84%	2.10%	0.69%	0.94%	2.07%	1.77%
Red Flag Computation 14	1,669,880	83,415	193,575	266,585	217,898	243,250	202,878	189,460	160,865	111,955	0	0	0	0	0
	2.05%	1.27%	2.83%	3.30%	2.78%	3.15%	2.40%	2.31%	2.61%	2.02%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	42,652,061	3,267,718	3,657,727	4,718,009	4,390,310	4,031,938	4,217,526	4,158,809	3,203,077	2,904,130	2,561,380	1,939,165	1,464,087	1,308,879	829,307
	52.27%	49.80%	53.42%	58.36%	56.06%	52.24%	49.92%	50.75%	52.03%	52.34%	52.73%	51.47%	50.51%	51.58%	38.62%
Red Flag Computation 16	992,537	0	21,490	385,193	154,675	123,644	69,503	121,505	44,823	49,283	10,288	7,295	1,020	3,820	0
	1.22%	0.00%	0.31%	4.76%	1.98%	1.60%	0.82%	1.48%	0.73%	0.89%	0.21%	0.19%	0.04%	0.15%	0.00%
Flagged for Any of the Red Flag Computation 1-16	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

## Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

C. Combination Red Flagged Prescriptions –  
Red Flag Computation 1-16 No of Flags Triggered

**Lake County and Trumbull County, OH**  
**Summary of Combination Red Flagged Opioid Prescriptions**  
**Red Flag Computation 1-16**

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total
Total # of Combination Red Flagged Opioid Prescriptions	141,651		175,609		37,379		125,994		209,395		690,028
Opioid Prescriptions Flagged - 2+ Methods	87,206	61 56%	119,153	67 85%	23,918	63 99%	76,514	60 73%	147,916	70 64%	<b>454,707</b> 65 90%
Opioid Prescriptions Flagged - 3+ Methods	37,472	26 45%	59,853	34 08%	10,737	28 72%	29,431	23 36%	79,181	37 81%	<b>216,674</b> 31 40%
Opioid Prescriptions Flagged - 4+ Methods	14,592	10 30%	26,768	15 24%	4,279	11 45%	10,626	8 43%	37,146	17 74%	<b>93,411</b> 13 54%
Opioid Prescriptions Flagged - 5+ Methods	4,742	3 35%	9,498	5 41%	1,374	3 68%	3,257	2 59%	15,252	7 28%	<b>34,123</b> 4 95%
Opioid Prescriptions Flagged - 6+ Methods	1,269	0 90%	3,030	1 73%	367	0 98%	886	0 70%	4,887	2 33%	<b>10,439</b> 1 51%
Opioid Prescriptions Flagged - 7+ Methods	256	0 18%	691	0 39%	102	0 27%	182	0 14%	1,543	0 74%	<b>2,774</b> 0 40%
Opioid Prescriptions Flagged - 8+ Methods	60	0 04%	146	0 08%	16	0 04%	42	0 03%	438	0 21%	<b>702</b> 0 10%
Opioid Prescriptions Flagged - 9+ Methods	4	0 00%	35	0 02%	1	0 00%	6	0 00%	72	0 03%	<b>118</b> 0 02%
Opioid Prescriptions Flagged - 10+ Methods	0	0 00%	4	0 00%	0	0 00%	0	0 00%	14	0 01%	<b>18</b> 0 00%

**Notes**

<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

**Lake County, OH**  
**Summary of Combination Red Flagged Opioid Prescriptions**  
**Red Flag Computation 1-16**

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	91,066		80,894		26,709		45,795		59,259		303,723	
Opioid Prescriptions Flagged - 2+ Methods	55,212	60.63%	50,495	62.42%	16,848	63.08%	25,366	55.39%	41,692	70.36%	<b>189,613</b>	62.43%
Opioid Prescriptions Flagged - 3+ Methods	24,604	27.02%	22,915	28.33%	8,104	30.34%	9,467	20.67%	22,067	37.24%	<b>87,157</b>	28.70%
Opioid Prescriptions Flagged - 4+ Methods	9,531	10.47%	9,262	11.45%	3,285	12.30%	3,031	6.62%	9,945	16.78%	<b>35,054</b>	11.54%
Opioid Prescriptions Flagged - 5+ Methods	3,156	3.47%	3,047	3.77%	1,147	4.29%	774	1.69%	4,048	6.83%	<b>12,172</b>	4.01%
Opioid Prescriptions Flagged - 6+ Methods	820	0.90%	794	0.98%	332	1.24%	178	0.39%	1,155	1.95%	<b>3,279</b>	1.08%
Opioid Prescriptions Flagged - 7+ Methods	172	0.19%	160	0.20%	96	0.36%	43	0.09%	297	0.50%	<b>768</b>	0.25%
Opioid Prescriptions Flagged - 8+ Methods	33	0.04%	31	0.04%	16	0.06%	9	0.02%	71	0.12%	<b>160</b>	0.05%
Opioid Prescriptions Flagged - 9+ Methods	4	0.00%	10	0.01%	1	0.00%	1	0.00%	4	0.01%	<b>20</b>	0.01%
Opioid Prescriptions Flagged - 10+ Methods	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	<b>0</b>	0.00%

**Notes**

<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

**Trumbull County, OH**  
**Summary of Combination Red Flagged Opioid Prescriptions**  
**Red Flag Computation 1-16**

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	50,585		94,715		10,670		80,199		150,136		386,305	
Opioid Prescriptions Flagged - 2+ Methods	31,994	63.25%	68,658	72.49%	7,070	66.26%	51,148	63.78%	106,224	70.75%	<b>265,094</b>	68.62%
Opioid Prescriptions Flagged - 3+ Methods	12,868	25.44%	36,938	39.00%	2,633	24.68%	19,964	24.89%	57,114	38.04%	<b>129,517</b>	33.53%
Opioid Prescriptions Flagged - 4+ Methods	5,061	10.00%	17,506	18.48%	994	9.32%	7,595	9.47%	27,201	18.12%	<b>58,357</b>	15.11%
Opioid Prescriptions Flagged - 5+ Methods	1,586	3.14%	6,451	6.81%	227	2.13%	2,483	3.10%	11,204	7.46%	<b>21,951</b>	5.68%
Opioid Prescriptions Flagged - 6+ Methods	449	0.89%	2,236	2.36%	35	0.33%	708	0.88%	3,732	2.49%	<b>7,160</b>	1.85%
Opioid Prescriptions Flagged - 7+ Methods	84	0.17%	531	0.56%	6	0.06%	139	0.17%	1,246	0.83%	<b>2,006</b>	0.52%
Opioid Prescriptions Flagged - 8+ Methods	27	0.05%	115	0.12%	0	0.00%	33	0.04%	367	0.24%	<b>542</b>	0.14%
Opioid Prescriptions Flagged - 9+ Methods	0	0.00%	25	0.03%	0	0.00%	5	0.01%	68	0.05%	<b>98</b>	0.03%
Opioid Prescriptions Flagged - 10+ Methods	0	0.00%	4	0.00%	0	0.00%	0	0.00%	14	0.01%	<b>18</b>	0.00%

**Notes**

<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

D. Combination Red Flagged Prescriptions –  
Red Flag Computation 1-43 Summary and Chart

**Giant Eagle/HBC**  
**Combination Red Flagged Prescriptions Summary**  
**Lake County and Trumbull County, OH**

	<b>Number of Combination Red Flagged Prescriptions</b>	<b>Total Number of Prescriptions</b>
All Prescriptions	164,698	1,399,920
Opioid Prescriptions	125,994	774,690

<b>Red Flag Computation</b>	<b>Flagged</b>	<b>%</b>	<b>%</b>
Flagged for Any of the Red Flag Computation 1-43	164,698	100.0%	11.8%
Red Flag Computation 1	2,889	2.3%	0.4%
Red Flag Computation 2	29,231	23.2%	3.8%
Red Flag Computation 3	21,885	17.4%	2.8%
Red Flag Computation 4	6,221	4.9%	0.8%
Red Flag Computation 5	21,386	13.0%	1.5%
Red Flag Computation 6	6,262	3.8%	0.4%
Red Flag Computation 7	89,220	54.2%	6.4%
Red Flag Computation 8	61,969	37.6%	4.4%
Red Flag Computation 9	4,768	3.8%	0.6%
Red Flag Computation 10	4,148	3.3%	0.5%
Red Flag Computation 11	3,138	2.5%	0.4%
Red Flag Computation 12	7,075	5.6%	0.9%
Red Flag Computation 13	19,624	15.6%	2.5%
Red Flag Computation 14	3,450	2.7%	0.4%
Red Flag Computation 15	38,025	30.2%	4.9%
Red Flag Computation 16	5,692	4.5%	0.7%
Red Flag Computation 17	16,808	10.2%	1.2%
Red Flag Computation 18	9,842	7.8%	1.3%
Red Flag Computation 19	4,091	3.2%	0.5%
Red Flag Computation 20	11,311	9.0%	1.5%
Red Flag Computation 21	7,632	6.1%	1.0%
Red Flag Computation 22	119	0.1%	0.0%
Red Flag Computation 23	114	0.1%	0.0%
Red Flag Computation 24	9,040	7.2%	1.2%
Red Flag Computation 25	6,505	5.2%	0.8%
Red Flag Computation 26	19,583	15.5%	2.5%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	4	0.0%	0.0%
Red Flag Computation 29	2,663	2.1%	0.3%
Red Flag Computation 30	9,073	7.2%	1.2%

**Giant Eagle/HBC**  
**Combination Red Flagged Prescriptions Summary**  
**Lake County and Trumbull County, OH**

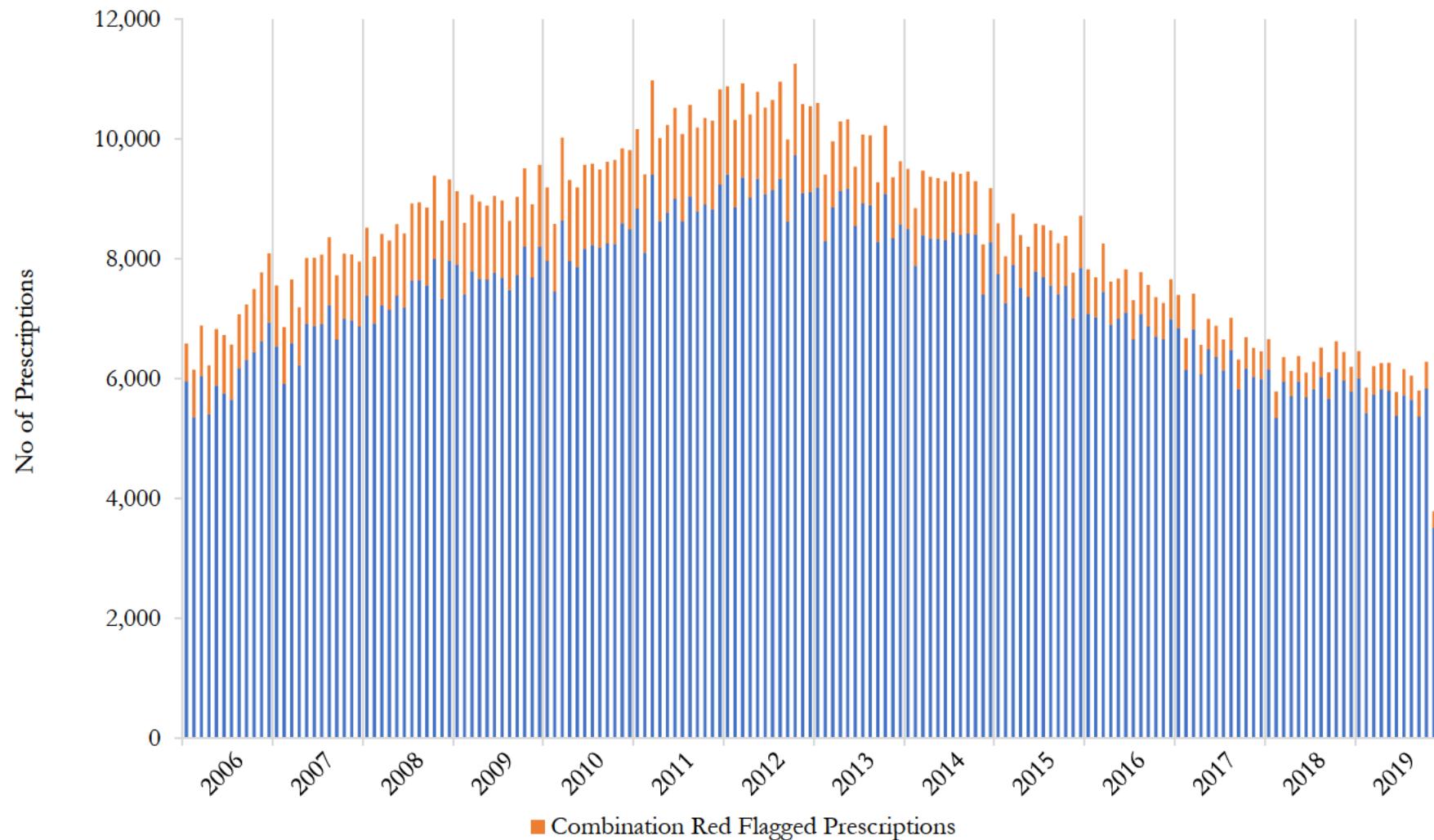
		<b>Number of Combination Red Flagged Prescriptions</b>	<b>Total Number of Prescriptions</b>
<b>Red Flag Computation</b>	<b>Flagged</b>	<b>%</b>	<b>%</b>
All Prescriptions		164,698	1,399,920
Opioid Prescriptions		125,994	774,690
Red Flag Computation 31	7,066	5.6%	0.9%
Red Flag Computation 32	343	0.3%	0.0%
Red Flag Computation 33	2,421	1.9%	0.3%
Red Flag Computation 34	1,850	1.5%	0.2%
Red Flag Computation 35	11,741	9.3%	1.5%
Red Flag Computation 36	9,856	7.8%	1.3%
Red Flag Computation 37	354	0.3%	0.0%
Red Flag Computation 38	78,982	48.0%	5.6%
Red Flag Computation 39	6,177	3.8%	0.4%
Red Flag Computation 40	3,047	2.4%	0.4%
Red Flag Computation 41	27,997	17.0%	2.0%
Red Flag Computation 42	11,386	6.9%	0.8%
Red Flag Computation 43	175	0.1%	0.0%

Notes:

<sup>1</sup> I summarize the 164,698 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

<sup>2</sup> <b>Defendant</b>	<b>Date Range</b>
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

**Giant Eagle/HBC Combination Red Flagged Prescriptions**  
**Lake County and Trumbull County, OH**



<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

**Giant Eagle/HBC**  
**Combination Red Flagged Prescriptions Summary**  
**Lake County, OH**

	<b>Number of Combination Red Flagged Prescriptions</b>	<b>Total Number of Prescriptions</b>
All Prescriptions	56,913	596,575
Opioid Prescriptions	45,795	325,813

<b>Red Flag Computation</b>	<b>Flagged</b>	<b>%</b>	<b>%</b>
Flagged for Any of the Red Flag Computation 1-43	56,913	100.0%	9.5%
Red Flag Computation 1	1,791	3.9%	0.5%
Red Flag Computation 2	13,128	28.7%	4.0%
Red Flag Computation 3	7,742	16.9%	2.4%
Red Flag Computation 4	2,710	5.9%	0.8%
Red Flag Computation 5	7,102	12.5%	1.2%
Red Flag Computation 6	1,708	3.0%	0.3%
Red Flag Computation 7	27,418	48.2%	4.6%
Red Flag Computation 8	17,163	30.2%	2.9%
Red Flag Computation 9	1,815	4.0%	0.6%
Red Flag Computation 10	1,000	2.2%	0.3%
Red Flag Computation 11	639	1.4%	0.2%
Red Flag Computation 12	1,936	4.2%	0.6%
Red Flag Computation 13	5,401	11.8%	1.7%
Red Flag Computation 14	1,246	2.7%	0.4%
Red Flag Computation 15	12,859	28.1%	3.9%
Red Flag Computation 16	3,106	6.8%	1.0%
Red Flag Computation 17	7,570	13.3%	1.3%
Red Flag Computation 18	4,079	8.9%	1.3%
Red Flag Computation 19	1,675	3.7%	0.5%
Red Flag Computation 20	4,648	10.1%	1.4%
Red Flag Computation 21	3,051	6.7%	0.9%
Red Flag Computation 22	76	0.2%	0.0%
Red Flag Computation 23	65	0.1%	0.0%
Red Flag Computation 24	4,331	9.5%	1.3%
Red Flag Computation 25	1,753	3.8%	0.5%
Red Flag Computation 26	5,398	11.8%	1.7%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	0	0.0%	0.0%
Red Flag Computation 29	998	2.2%	0.3%
Red Flag Computation 30	3,719	8.1%	1.1%

**Giant Eagle/HBC**  
**Combination Red Flagged Prescriptions Summary**  
**Lake County, OH**

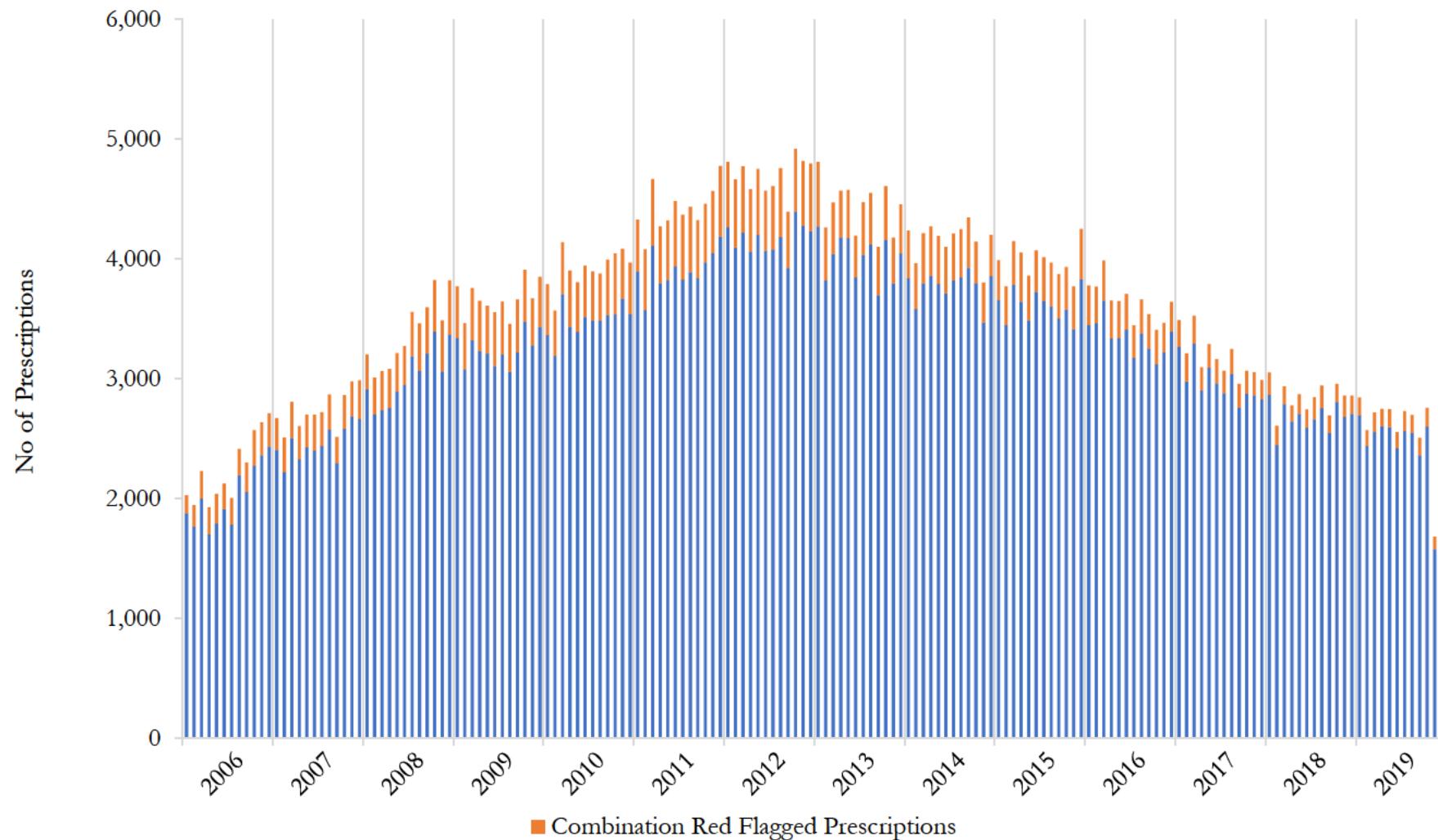
		<b>Number of Combination Red Flagged Prescriptions</b>	<b>Total Number of Prescriptions</b>
<b>Red Flag Computation</b>	<b>Flagged</b>	<b>%</b>	<b>%</b>
All Prescriptions		56,913	596,575
Opioid Prescriptions		45,795	325,813
Red Flag Computation 31	2,418	5.3%	0.7%
Red Flag Computation 32	200	0.4%	0.1%
Red Flag Computation 33	568	1.2%	0.2%
Red Flag Computation 34	959	2.1%	0.3%
Red Flag Computation 35	3,859	8.4%	1.2%
Red Flag Computation 36	5,000	10.9%	1.5%
Red Flag Computation 37	182	0.4%	0.1%
Red Flag Computation 38	23,075	40.5%	3.9%
Red Flag Computation 39	1,704	3.0%	0.3%
Red Flag Computation 40	992	2.2%	0.3%
Red Flag Computation 41	6,189	10.9%	1.0%
Red Flag Computation 42	3,548	6.2%	0.6%
Red Flag Computation 43	96	0.2%	0.0%

Notes:

<sup>1</sup> I summarize the 56,913 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

<sup>2</sup> <b>Defendant</b>	<b>Date Range</b>
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Lake County, OH



<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

**Giant Eagle/HBC**  
**Combination Red Flagged Prescriptions Summary**  
**Trumbull County, OH**

	<b>Number of Combination Red Flagged Prescriptions</b>	<b>Total Number of Prescriptions</b>
All Prescriptions	107,785	803,345
Opioid Prescriptions	80,199	448,877

<b>Red Flag Computation</b>	<b>Flagged</b>	<b>%</b>	<b>%</b>
Flagged for Any of the Red Flag Computation 1-43	107,785	100.0%	13.4%
Red Flag Computation 1	1,098	1.4%	0.2%
Red Flag Computation 2	16,103	20.1%	3.6%
Red Flag Computation 3	14,143	17.6%	3.2%
Red Flag Computation 4	3,511	4.4%	0.8%
Red Flag Computation 5	14,284	13.3%	1.8%
Red Flag Computation 6	4,554	4.2%	0.6%
Red Flag Computation 7	61,802	57.3%	7.7%
Red Flag Computation 8	44,806	41.6%	5.6%
Red Flag Computation 9	2,953	3.7%	0.7%
Red Flag Computation 10	3,148	3.9%	0.7%
Red Flag Computation 11	2,499	3.1%	0.6%
Red Flag Computation 12	5,139	6.4%	1.1%
Red Flag Computation 13	14,223	17.7%	3.2%
Red Flag Computation 14	2,204	2.7%	0.5%
Red Flag Computation 15	25,166	31.4%	5.6%
Red Flag Computation 16	2,586	3.2%	0.6%
Red Flag Computation 17	9,238	8.6%	1.1%
Red Flag Computation 18	5,763	7.2%	1.3%
Red Flag Computation 19	2,416	3.0%	0.5%
Red Flag Computation 20	6,663	8.3%	1.5%
Red Flag Computation 21	4,581	5.7%	1.0%
Red Flag Computation 22	43	0.1%	0.0%
Red Flag Computation 23	49	0.1%	0.0%
Red Flag Computation 24	4,709	5.9%	1.0%
Red Flag Computation 25	4,752	5.9%	1.1%
Red Flag Computation 26	14,185	17.7%	3.2%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	4	0.0%	0.0%
Red Flag Computation 29	1,665	2.1%	0.4%
Red Flag Computation 30	5,354	6.7%	1.2%

**Giant Eagle/HBC**  
**Combination Red Flagged Prescriptions Summary**  
**Trumbull County, OH**

		<b>Number of Combination Red Flagged Prescriptions</b>	<b>Total Number of Prescriptions</b>
<b>Red Flag Computation</b>	<b>Flagged</b>	<b>%</b>	<b>%</b>
All Prescriptions		107,785	803,345
Opioid Prescriptions		80,199	448,877
Red Flag Computation 31	4,648	5.8%	1.0%
Red Flag Computation 32	143	0.2%	0.0%
Red Flag Computation 33	1,853	2.3%	0.4%
Red Flag Computation 34	891	1.1%	0.2%
Red Flag Computation 35	7,882	9.8%	1.8%
Red Flag Computation 36	4,856	6.1%	1.1%
Red Flag Computation 37	172	0.2%	0.0%
Red Flag Computation 38	55,907	51.9%	7.0%
Red Flag Computation 39	4,473	4.1%	0.6%
Red Flag Computation 40	2,055	2.6%	0.5%
Red Flag Computation 41	21,808	20.2%	2.7%
Red Flag Computation 42	7,838	7.3%	1.0%
Red Flag Computation 43	79	0.1%	0.0%

Notes:

<sup>1</sup> I summarize the 107,785 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

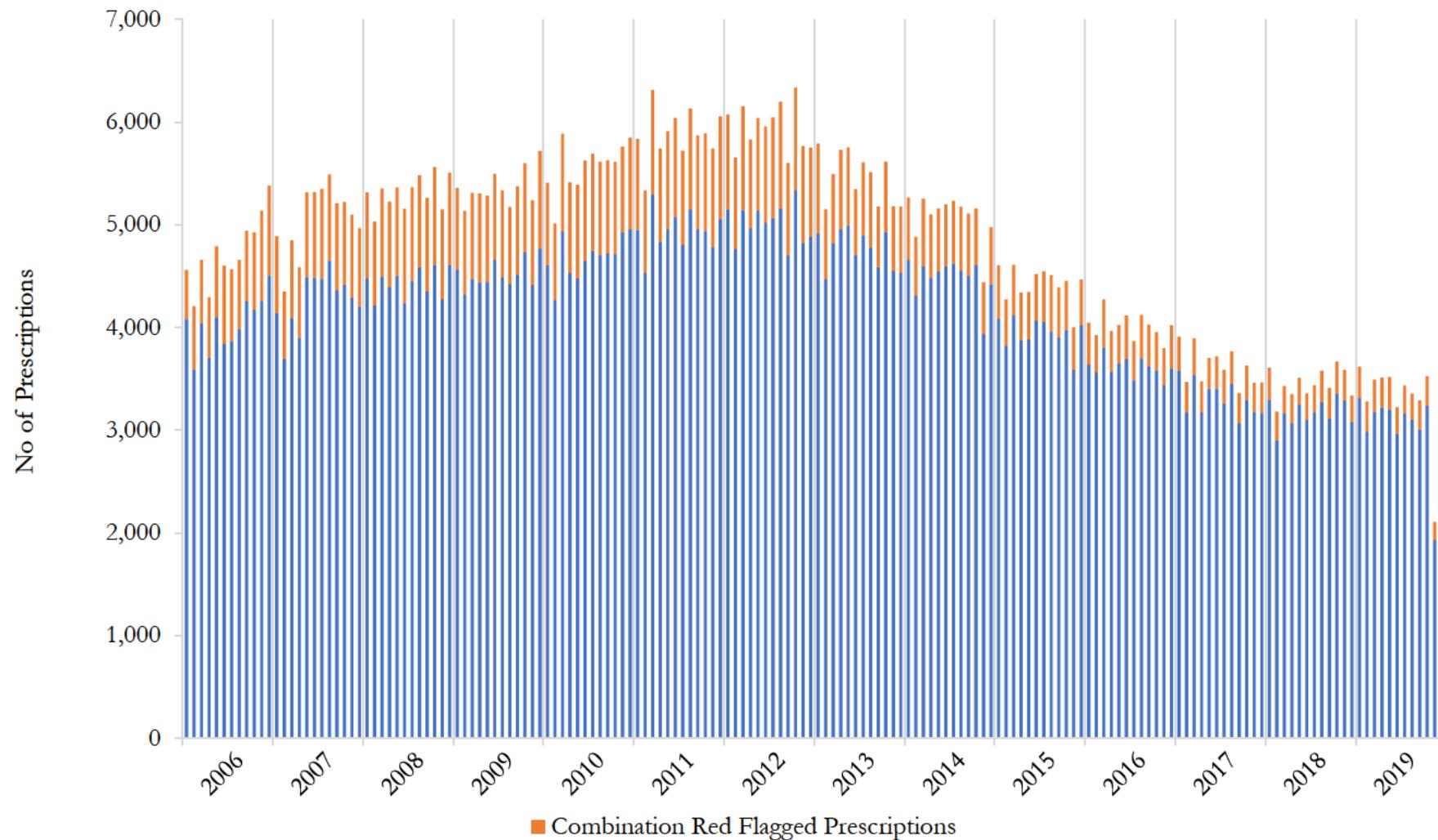
<sup>2</sup> **Defendant**

**Date Range**

CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions

### Trumbull County, OH



<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

E. Combination Red Flagged Prescriptions –  
Red Flag Computation 1-43 Summary by Year

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County and Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 1	2,889	188	231	197	219	227	343	315	251	287	192	114	115	107	103
	2.29%	2.18%	2.34%	1.69%	1.87%	1.86%	2.55%	2.30%	2.50%	3.28%	2.54%	1.83%	2.50%	2.65%	2.85%
Red Flag Computation 2	29,231	2,137	2,207	2,359	2,316	2,389	2,864	2,598	2,529	2,455	2,226	1,777	1,322	1,135	917
	23.20%	24.80%	22.34%	20.26%	19.78%	19.53%	21.31%	18.99%	25.20%	28.03%	29.50%	28.58%	28.73%	28.12%	25.41%
Red Flag Computation 3	21,885	1,460	1,685	2,110	2,052	2,069	2,403	2,412	1,902	1,528	1,266	1,056	761	636	545
	17.37%	16.95%	17.06%	18.12%	17.53%	16.92%	17.88%	17.63%	18.95%	17.45%	16.78%	16.99%	16.54%	15.76%	15.10%
Red Flag Computation 4	6,221	339	537	516	577	566	605	683	548	511	449	331	203	194	162
	4.94%	3.93%	5.44%	4.43%	4.93%	4.63%	4.50%	4.99%	5.46%	5.84%	5.95%	5.32%	4.41%	4.81%	4.49%
Red Flag Computation 5	21,386	1,356	1,697	1,741	1,961	2,052	2,541	2,423	2,040	1,559	1,208	1,051	726	599	432
	12.98%	12.21%	13.21%	11.66%	12.97%	12.97%	14.56%	13.68%	15.17%	13.27%	11.98%	12.68%	11.75%	11.23%	9.32%
Red Flag Computation 6	6,262	331	648	640	676	728	862	689	599	386	296	209	106	58	34
	3.80%	2.98%	5.04%	4.29%	4.47%	4.60%	4.94%	3.89%	4.45%	3.29%	2.94%	2.52%	1.72%	1.09%	0.73%
Red Flag Computation 7	89,220	5,879	6,789	7,495	7,818	8,241	9,133	9,189	7,658	6,862	5,976	4,881	3,721	3,152	2,426
	54.17%	52.95%	52.85%	50.19%	51.72%	52.09%	52.34%	51.88%	56.93%	58.42%	59.27%	58.89%	60.22%	59.11%	52.33%
Red Flag Computation 8	61,969	3,831	4,697	5,272	5,398	5,735	6,287	6,358	5,348	4,793	4,300	3,432	2,611	2,183	1,724
	37.63%	34.50%	36.56%	35.31%	35.71%	36.25%	36.03%	35.89%	39.76%	40.81%	42.65%	41.41%	42.26%	40.94%	37.19%
Red Flag Computation 9	4,768	194	309	304	308	320	493	365	384	459	496	382	263	293	198
	3.78%	2.25%	3.13%	2.61%	2.63%	2.62%	3.67%	2.67%	3.83%	5.24%	6.57%	6.14%	5.71%	7.26%	5.49%
Red Flag Computation 10	4,148	485	353	224	210	256	283	227	197	190	226	137	98	52	1,210
	3.29%	5.63%	3.57%	1.92%	1.79%	2.09%	2.11%	1.66%	1.96%	2.17%	3.00%	2.20%	2.13%	1.29%	33.53%
Red Flag Computation 11	3,138	485	353	224	210	256	283	227	197	190	226	137	98	52	200
	2.49%	5.63%	3.57%	1.92%	1.79%	2.09%	2.11%	1.66%	1.96%	2.17%	3.00%	2.20%	2.13%	1.29%	5.54%
Red Flag Computation 12	7,075	475	637	685	739	705	798	1,002	560	463	326	122	131	169	263
	5.62%	5.51%	6.45%	5.88%	6.31%	5.76%	5.94%	7.32%	5.58%	5.29%	4.32%	1.96%	2.85%	4.19%	7.29%
Red Flag Computation 13	19,624	1,670	2,081	2,603	2,557	2,817	3,323	3,503	503	165	119	59	49	80	95
	15.58%	19.38%	21.07%	22.36%	21.84%	23.03%	24.73%	25.60%	50.1%	1.88%	1.58%	0.95%	1.06%	1.98%	2.63%
Red Flag Computation 14	3,450	231	405	499	454	465	458	391	316	231	0	0	0	0	0
	2.74%	2.68%	4.10%	4.29%	3.88%	3.80%	3.41%	2.86%	3.15%	2.64%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	38,025	2,503	3,193	3,617	3,564	3,619	3,982	3,987	3,326	2,642	1,979	1,809	1,474	1,305	1,025
	30.18%	29.05%	32.33%	31.07%	30.44%	29.59%	29.63%	29.14%	33.14%	30.17%	26.23%	29.10%	32.03%	32.33%	28.40%
Red Flag Computation 16	5,692	0	52	1,458	1,017	898	473	847	426	297	107	79	18	18	2
	4.52%	0.00%	0.53%	12.52%	8.69%	7.34%	3.52%	6.19%	4.25%	3.39%	1.42%	1.27%	0.39%	0.45%	0.06%
Red Flag Computation 17	16,808	1,257	1,337	1,355	1,405	1,340	1,773	1,506	1,398	1,309	1,093	948	783	723	581
	10.21%	11.32%	10.41%	9.07%	9.29%	8.47%	10.16%	8.50%	10.39%	11.14%	10.84%	11.44%	12.67%	13.56%	12.53%
Red Flag Computation 18	9,842	631	673	832	825	851	1,001	907	965	821	770	585	394	316	271
	7.81%	7.32%	6.81%	7.15%	7.05%	6.96%	7.45%	6.63%	9.62%	9.38%	10.21%	9.41%	8.56%	7.83%	7.51%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County and Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 19	4,091	255	242	337	281	337	494	387	428	365	343	231	172	113	106
	3.25%	2.96%	2.45%	2.89%	2.40%	2.76%	3.68%	2.83%	4.27%	4.17%	4.55%	3.72%	3.74%	2.80%	2.94%
Red Flag Computation 20	11,311	684	803	997	1,024	1,111	1,269	1,264	1,012	819	727	537	417	345	302
	8.98%	7.94%	8.13%	8.56%	8.75%	9.08%	9.44%	9.24%	10.08%	9.35%	9.64%	8.64%	9.06%	8.55%	8.37%
Red Flag Computation 21	7,632	468	556	710	668	749	867	845	721	534	505	369	236	222	182
	6.06%	5.43%	5.63%	6.10%	5.71%	6.12%	6.45%	6.18%	7.18%	6.10%	6.69%	5.94%	5.13%	5.50%	5.04%
Red Flag Computation 22	119	5	4	16	8	9	26	10	13	13	6	7	0	1	1
	0.09%	0.06%	0.04%	0.14%	0.07%	0.07%	0.19%	0.07%	0.13%	0.15%	0.08%	0.11%	0.00%	0.02%	0.03%
Red Flag Computation 23	114	4	4	15	7	7	27	7	16	18	4	4	0	1	0
	0.09%	0.05%	0.04%	0.13%	0.06%	0.06%	0.20%	0.05%	0.16%	0.21%	0.05%	0.06%	0.00%	0.02%	0.00%
Red Flag Computation 24	9,040	512	686	828	862	902	901	866	773	692	666	496	314	277	265
	7.17%	5.94%	6.95%	7.11%	7.36%	7.38%	6.71%	6.33%	7.70%	7.90%	8.83%	7.98%	6.82%	6.86%	7.34%
Red Flag Computation 25	6,505	475	637	685	739	705	798	1,002	408	301	227	92	98	139	199
	5.16%	5.51%	6.45%	5.88%	6.31%	5.76%	5.94%	7.32%	4.07%	3.44%	3.01%	1.48%	2.13%	3.44%	5.51%
Red Flag Computation 26	19,583	1,670	2,081	2,603	2,557	2,817	3,323	3,503	487	153	113	57	48	75	96
	15.54%	19.38%	21.07%	22.36%	21.84%	23.03%	24.73%	25.60%	4.85%	1.75%	1.50%	0.92%	1.04%	1.86%	2.66%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	4	0	2	0	0	0	0	2	0	0	0	0	0	0	0
	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	2,663	189	302	370	340	354	360	305	258	185	0	0	0	0	0
	2.11%	2.19%	3.06%	3.18%	2.90%	2.89%	2.68%	2.23%	2.57%	2.11%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	9,073	653	851	1,006	982	962	1,051	1,014	916	651	306	220	169	155	137
	7.20%	7.58%	8.62%	8.64%	8.39%	7.87%	7.82%	7.41%	9.13%	7.43%	4.06%	3.54%	3.67%	3.84%	3.80%
Red Flag Computation 31	7,066	243	491	790	678	685	784	820	708	531	307	344	272	175	238
	5.61%	2.82%	4.97%	6.79%	5.79%	5.60%	5.83%	5.99%	7.06%	6.06%	4.07%	5.53%	5.91%	4.34%	6.59%
Red Flag Computation 32	343	0	6	110	61	35	20	52	38	19	0	0	0	2	0
	0.27%	0.00%	0.06%	0.94%	0.52%	0.29%	0.15%	0.38%	0.38%	0.22%	0.00%	0.00%	0.00%	0.05%	0.00%
Red Flag Computation 33	2,421	222	189	268	225	223	248	211	143	139	146	141	101	107	58
	1.92%	2.58%	1.91%	2.30%	1.92%	1.82%	1.85%	1.54%	1.43%	1.59%	1.94%	2.27%	2.19%	2.65%	1.61%
Red Flag Computation 34	1,850	9	24	27	44	53	56	89	141	141	329	342	260	169	166
	1.47%	0.10%	0.24%	0.23%	0.38%	0.43%	0.42%	0.65%	1.41%	1.61%	4.36%	5.50%	5.65%	4.19%	4.60%
Red Flag Computation 35	11,741	1,398	1,353	1,203	1,070	1,103	868	856	821	629	543	519	415	475	488
	9.32%	16.23%	13.70%	10.33%	9.14%	9.02%	6.46%	6.26%	8.18%	7.18%	7.20%	8.35%	9.02%	11.77%	13.52%
Red Flag Computation 36	9,856	906	826	896	742	825	962	758	783	909	928	593	301	230	197
	7.82%	10.52%	8.36%	7.70%	6.34%	6.75%	7.16%	5.54%	7.80%	10.38%	12.30%	9.54%	6.54%	5.70%	5.46%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County and Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 37	354	7	7	19	49	29	24	46	49	39	33	18	17	14	3
	0.28%	0.08%	0.07%	0.16%	0.42%	0.24%	0.18%	0.34%	0.49%	0.45%	0.44%	0.29%	0.37%	0.35%	0.08%
Red Flag Computation 38	78,982	4,985	6,008	6,929	7,068	7,351	8,192	8,380	6,834	5,995	5,216	4,230	3,150	2,588	2,056
	47.96%	44.90%	46.77%	46.40%	46.76%	46.46%	46.95%	47.31%	50.80%	51.04%	51.73%	51.04%	50.98%	48.54%	44.35%
Red Flag Computation 39	6,177	331	648	640	676	728	862	689	557	375	291	196	98	54	32
	3.75%	2.98%	5.04%	4.29%	4.47%	4.60%	4.94%	3.89%	4.14%	3.19%	2.89%	2.36%	1.59%	1.01%	0.69%
Red Flag Computation 40	3,047	167	161	159	251	274	285	222	200	252	332	251	218	157	118
	2.42%	1.94%	1.63%	1.37%	2.14%	2.24%	2.12%	1.62%	1.99%	2.88%	4.40%	4.04%	4.74%	3.89%	3.27%
Red Flag Computation 41	27,997	2,047	2,388	2,866	2,668	2,646	2,933	3,126	2,188	1,843	1,564	1,356	966	750	656
	17.00%	18.44%	18.59%	19.19%	17.65%	16.72%	16.81%	17.65%	16.27%	15.69%	15.51%	16.36%	15.63%	14.07%	14.15%
Red Flag Computation 42	11,386	1,142	1,123	1,100	1,056	1,197	1,213	1,068	905	801	529	336	322	311	283
	6.91%	10.29%	8.74%	7.37%	6.99%	7.57%	6.95%	6.03%	6.73%	6.82%	5.25%	4.05%	5.21%	5.83%	6.10%
Red Flag Computation 43	175	0	0	102	39	16	4	8	1	5	0	0	0	0	0
	0.11%	0.00%	0.00%	0.68%	0.26%	0.10%	0.02%	0.05%	0.01%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

## Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

## Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County and Trumbull County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
Red Flag Computation 1	181,641	12,013	14,551	13,242	13,228	12,796	21,468	20,792	13,727	16,060	11,754	8,282	7,762	6,977	8,989
	2.09%	2.15%	2.21%	1.65%	1.63%	1.53%	2.25%	2.13%	1.90%	2.65%	2.34%	1.92%	2.39%	2.54%	3.58%
Red Flag Computation 2	1,633,487	118,961	125,930	141,517	137,626	135,708	166,715	146,964	132,754	118,880	101,706	99,486	82,355	69,307	55,578
	18.77%	21.34%	19.15%	17.66%	16.98%	16.19%	17.50%	15.06%	18.39%	19.58%	20.29%	23.11%	25.40%	25.24%	22.13%
Red Flag Computation 3	1,402,869	91,142	109,361	138,559	140,089	133,441	159,719	158,746	121,563	94,550	73,933	67,022	47,238	37,428	30,078
	16.12%	16.35%	16.63%	17.29%	17.28%	15.92%	16.77%	16.27%	16.84%	15.57%	14.75%	15.57%	14.57%	13.63%	11.97%
Red Flag Computation 4	479,467	22,813	36,642	37,987	43,721	40,049	48,205	52,538	41,364	43,981	36,389	29,454	16,691	16,554	13,099
	5.51%	4.09%	5.57%	4.74%	5.39%	4.78%	5.06%	5.38%	5.73%	7.24%	7.26%	6.84%	5.15%	6.02%	5.21%
Red Flag Computation 5	1,579,447	95,547	119,485	130,460	157,986	150,246	196,096	185,184	155,679	118,002	85,435	75,126	47,142	36,656	26,403
	14.38%	13.45%	14.31%	13.08%	15.37%	14.26%	16.46%	15.26%	16.88%	15.02%	13.37%	13.84%	11.49%	10.67%	8.59%
Red Flag Computation 6	477,568	24,934	43,755	47,574	56,538	57,698	67,102	51,518	47,888	31,777	22,189	15,602	6,122	3,459	1,412
	4.35%	3.51%	5.24%	4.77%	5.50%	5.47%	5.63%	4.24%	5.19%	4.05%	3.47%	2.87%	1.49%	1.01%	0.46%
Red Flag Computation 7	6,136,126	394,089	459,158	526,268	559,872	574,837	646,373	641,825	529,162	474,844	397,240	326,202	246,284	202,867	157,105
	55.88%	55.46%	54.99%	52.76%	54.47%	54.54%	54.26%	52.88%	57.38%	60.45%	62.16%	60.08%	60.03%	59.07%	51.14%
Red Flag Computation 8	4,274,509	265,139	320,851	363,670	389,660	401,482	436,257	442,561	367,201	337,496	285,364	228,558	173,334	144,930	118,006
	38.93%	37.31%	38.43%	36.46%	37.91%	38.09%	36.62%	36.46%	39.82%	42.96%	44.65%	42.10%	42.25%	42.20%	38.41%
Red Flag Computation 9	333,147	13,422	18,620	22,685	25,252	26,050	42,997	30,423	29,062	27,990	30,639	24,610	15,194	14,889	11,314
	3.83%	2.41%	2.83%	2.83%	3.12%	3.11%	4.51%	3.12%	4.03%	4.61%	6.11%	5.72%	4.69%	5.42%	4.50%
Red Flag Computation 10	338,426	43,079	30,290	17,293	17,726	15,490	20,692	16,351	19,206	15,544	17,333	11,306	8,580	3,528	102,008
	3.89%	7.73%	4.61%	2.16%	2.19%	1.85%	2.17%	1.68%	2.66%	2.56%	3.46%	2.63%	2.65%	1.28%	40.61%
Red Flag Computation 11	248,228	43,079	30,290	17,293	17,726	15,490	20,692	16,351	19,206	15,544	17,333	11,306	8,580	3,528	11,810
	2.85%	7.73%	4.61%	2.16%	2.19%	1.85%	2.17%	1.68%	2.66%	2.56%	3.46%	2.63%	2.65%	1.28%	4.70%
Red Flag Computation 12	551,602	25,169	43,928	52,647	51,246	53,861	60,535	78,295	51,124	43,803	30,216	9,271	10,481	16,032	24,994
	6.34%	4.51%	6.68%	6.57%	6.32%	6.43%	6.36%	8.02%	7.08%	7.22%	6.03%	2.15%	3.23%	5.84%	9.95%
Red Flag Computation 13	1,296,762	88,139	128,185	178,928	169,874	178,921	221,555	242,863	40,393	12,751	10,450	4,957	4,210	6,342	9,194
	14.90%	15.81%	19.50%	22.32%	20.96%	21.35%	23.26%	24.89%	5.60%	2.10%	2.08%	1.15%	1.30%	2.31%	3.66%
Red Flag Computation 14	326,967	21,966	39,080	48,541	41,776	41,527	43,499	39,311	29,595	21,672	0	0	0	0	0
	3.76%	3.94%	5.94%	6.06%	5.15%	4.95%	4.57%	4.03%	4.10%	3.57%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	3,162,783	197,737	251,716	305,341	304,971	305,964	340,710	360,055	289,479	227,258	157,103	144,045	113,517	92,076	72,811
	36.34%	35.47%	38.28%	38.09%	37.62%	36.50%	35.77%	36.90%	40.10%	37.43%	31.34%	33.46%	35.02%	33.54%	28.99%
Red Flag Computation 16	231,407	0	2,843	71,195	46,600	35,716	16,915	28,246	15,139	9,197	2,659	1,847	318	682	50
	2.66%	0.00%	0.43%	8.88%	5.75%	4.26%	1.78%	2.89%	2.10%	1.51%	0.53%	0.43%	0.10%	0.25%	0.02%
Red Flag Computation 17	1,061,886	77,221	84,360	88,799	91,478	85,251	115,178	97,390	85,786	73,454	62,536	60,719	53,696	46,637	39,381
	9.67%	10.87%	10.10%	8.90%	8.90%	8.09%	9.67%	8.02%	9.30%	9.35%	9.79%	11.18%	13.09%	13.58%	12.82%
Red Flag Computation 18	478,078	32,433	34,883	45,003	41,138	43,286	51,784	45,008	46,236	37,229	32,480	28,674	16,797	12,483	10,644
	5.49%	5.82%	5.31%	5.61%	5.08%	5.16%	5.44%	4.61%	6.41%	6.13%	6.48%	6.66%	5.18%	4.55%	4.24%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County and Trumbull County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
Red Flag Computation 19	208,545	14,486	13,945	16,950	15,445	18,280	26,363	18,551	21,593	18,958	16,366	10,687	8,060	4,948	3,913
	2.40%	2.60%	2.12%	2.11%	1.91%	2.18%	2.77%	1.90%	2.99%	3.12%	3.26%	2.48%	2.49%	1.80%	1.56%
Red Flag Computation 20	598,620	39,698	46,909	51,188	54,786	60,657	69,524	64,412	52,707	43,977	35,956	27,209	21,833	16,962	12,802
	6.88%	7.12%	7.13%	6.39%	6.76%	7.24%	7.30%	6.60%	7.30%	7.24%	7.17%	6.32%	6.73%	6.18%	5.10%
Red Flag Computation 21	409,884	27,254	34,263	38,886	34,291	42,211	48,051	43,318	37,581	28,131	25,009	17,787	11,999	12,336	8,767
	4.71%	4.89%	5.21%	4.85%	4.23%	5.04%	5.04%	4.44%	5.21%	4.63%	4.99%	4.13%	3.70%	4.49%	3.49%
Red Flag Computation 22	4,534	165	156	386	229	361	1,197	248	589	581	186	361	0	60	15
	0.05%	0.03%	0.02%	0.05%	0.03%	0.04%	0.13%	0.05%	0.08%	0.10%	0.04%	0.08%	0.00%	0.02%	0.01%
Red Flag Computation 23	6,543	188	348	440	399	380	1,641	475	668	1,302	290	412	0	0	0
	0.08%	0.03%	0.05%	0.05%	0.05%	0.05%	0.17%	0.05%	0.09%	0.21%	0.06%	0.10%	0.00%	0.00%	0.00%
Red Flag Computation 24	637,550	33,195	45,467	53,995	56,298	56,942	65,570	63,376	56,853	52,840	49,593	39,716	22,321	21,087	20,297
	7.32%	5.95%	6.91%	6.74%	6.95%	6.79%	6.88%	6.49%	7.88%	8.70%	9.89%	9.22%	6.89%	7.68%	8.08%
Red Flag Computation 25	496,557	25,169	43,928	52,647	51,246	53,861	60,535	78,295	36,180	27,273	21,175	6,640	8,004	12,898	18,706
	5.70%	4.51%	6.68%	6.57%	6.32%	6.43%	6.36%	8.02%	5.01%	4.49%	4.22%	1.54%	2.47%	4.70%	7.45%
Red Flag Computation 26	1,292,862	88,139	128,185	178,928	169,874	178,921	221,555	242,863	38,796	11,474	9,680	4,844	4,068	6,123	9,412
	14.85%	15.81%	19.50%	22.32%	20.96%	21.35%	23.26%	24.89%	5.37%	1.89%	1.93%	1.13%	1.25%	2.23%	3.75%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	280	0	240	0	0	0	0	40	0	0	0	0	0	0	0
	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	244,104	17,646	28,529	35,505	30,030	30,596	32,507	29,201	23,608	16,482	0	0	0	0	0
	2.80%	3.17%	4.34%	4.43%	3.70%	3.65%	3.41%	2.99%	3.27%	2.71%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	773,725	53,934	69,247	90,167	83,594	81,495	92,734	92,873	79,496	56,277	22,530	16,748	13,067	11,374	10,189
	8.89%	9.67%	10.53%	11.25%	10.31%	9.72%	9.74%	9.52%	11.01%	9.27%	4.49%	3.89%	4.03%	4.14%	4.06%
Red Flag Computation 31	812,608	26,991	52,541	84,767	78,435	80,616	90,414	103,397	84,851	62,993	33,554	39,142	33,575	18,869	22,463
	9.34%	4.84%	7.99%	10.58%	9.68%	9.62%	9.49%	10.60%	11.75%	10.38%	6.69%	9.09%	10.36%	6.87%	8.94%
Red Flag Computation 32	23,218	0	660	8,867	3,763	2,298	1,120	2,410	2,740	1,240	0	0	0	120	0
	0.27%	0.00%	0.10%	1.11%	0.46%	0.27%	0.12%	0.25%	0.38%	0.20%	0.00%	0.00%	0.00%	0.04%	0.00%
Red Flag Computation 33	115,247	10,478	9,192	9,495	11,671	9,611	11,334	11,368	7,755	8,610	7,601	7,044	4,310	4,199	2,579
	1.32%	1.88%	1.40%	1.18%	1.44%	1.15%	1.19%	1.16%	1.07%	1.42%	1.52%	1.64%	1.33%	1.53%	1.03%
Red Flag Computation 34	152,914	190	1,614	2,092	3,320	4,195	5,406	7,049	11,567	10,096	28,856	29,350	21,723	13,640	13,816
	1.76%	0.03%	0.25%	0.26%	0.41%	0.50%	0.57%	0.72%	1.60%	1.66%	5.76%	6.82%	6.70%	4.97%	5.50%
Red Flag Computation 35	610,250	75,980	66,652	62,528	57,487	57,827	47,151	47,362	45,594	34,117	29,681	24,947	18,802	20,252	21,870
	7.01%	13.63%	10.14%	7.80%	7.09%	6.90%	4.95%	4.85%	6.32%	5.62%	5.92%	5.79%	5.80%	7.38%	8.71%
Red Flag Computation 36	460,810	47,339	44,003	53,218	40,856	42,774	46,000	34,376	28,356	30,134	29,251	24,299	15,445	12,915	11,844
	5.29%	8.49%	6.69%	6.64%	5.04%	5.10%	4.83%	3.52%	3.93%	4.96%	5.84%	5.64%	4.76%	4.70%	4.71%

**Giant Eagle/HBC Combination Red Flagged Prescriptions Summary**  
**Lake County and Trumbull County, OH**  
 Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
<b>Red Flag Computation 37</b>	43,059	684	720	1,615	4,955	2,980	2,574	4,265	6,790	4,307	2,610	4,320	3,339	3,540	360
	0.49%	0.12%	0.11%	0.20%	0.61%	0.36%	0.27%	0.44%	0.94%	0.71%	0.52%	1.00%	1.03%	1.29%	0.14%
<b>Red Flag Computation 38</b>	5,473,613	351,191	418,485	478,207	512,871	515,794	571,281	589,953	475,382	417,699	345,136	280,597	207,053	169,462	140,502
	49.85%	49.42%	50.12%	47.94%	49.90%	48.94%	47.96%	48.60%	51.55%	53.17%	54.01%	51.68%	50.47%	49.34%	45.73%
<b>Red Flag Computation 39</b>	469,210	24,934	43,755	47,574	56,538	57,698	67,102	51,518	43,354	30,612	21,739	14,597	5,578	3,009	1,202
	4.27%	3.51%	5.24%	4.77%	5.50%	5.47%	5.63%	4.24%	4.70%	3.90%	3.40%	2.69%	1.36%	0.88%	0.39%
<b>Red Flag Computation 40</b>	200,495	13,778	13,420	12,038	18,696	19,484	22,320	13,798	11,883	14,316	17,878	14,228	13,073	8,968	6,615
	2.30%	2.47%	2.04%	1.50%	2.31%	2.32%	2.34%	1.41%	1.65%	2.36%	3.57%	3.30%	4.03%	3.27%	2.63%
<b>Red Flag Computation 41</b>	2,187,066	151,017	180,042	220,614	220,179	205,613	230,574	252,254	172,698	146,280	116,911	105,797	73,464	59,429	52,194
	19.92%	21.25%	21.56%	22.12%	21.42%	19.51%	19.36%	20.78%	18.73%	18.62%	18.29%	19.49%	17.91%	17.30%	16.99%
<b>Red Flag Computation 42</b>	670,664	62,591	59,535	64,023	68,368	67,414	77,379	65,290	56,709	55,390	30,226	18,214	17,058	15,657	12,810
	6.11%	8.81%	7.13%	6.42%	6.65%	6.40%	6.50%	5.38%	6.15%	7.05%	4.73%	3.35%	4.16%	4.56%	4.17%
<b>Red Flag Computation 43</b>	10,328	0	0	5,577	3,188	834	125	354	0	250	0	0	0	0	0
	0.09%	0.00%	0.00%	0.56%	0.31%	0.08%	0.01%	0.03%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Flagged for Any of the Red Flag Computation 1-43</b>	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

**Notes**Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County and Trumbull County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 1	2,400,915	129,125	162,508	162,205	176,093	163,153	309,418	330,380	221,170	216,103	133,945	98,406	94,298	93,960	110,153
	2.05%	1.49%	1.88%	1.56%	1.65%	1.50%	2.53%	2.72%	2.37%	2.61%	1.76%	1.60%	1.99%	2.40%	3.30%
Red Flag Computation 2	21,191,385	1,773,992	1,600,904	1,856,424	1,733,657	1,561,764	2,112,389	2,104,344	1,641,905	1,405,518	1,170,422	1,201,507	1,187,354	1,090,833	750,372
	18.12%	20.45%	18.48%	17.88%	16.20%	14.38%	17.26%	17.33%	17.63%	17.00%	15.38%	19.54%	25.12%	27.88%	22.48%
Red Flag Computation 3	21,012,270	1,527,694	1,697,260	2,118,781	2,169,774	1,892,178	2,353,582	2,375,257	1,693,540	1,317,274	1,093,962	945,999	805,868	600,727	420,376
	17.96%	17.61%	19.59%	20.41%	20.28%	17.42%	19.23%	19.57%	18.18%	15.94%	14.38%	15.39%	17.05%	15.36%	12.60%
Red Flag Computation 4	7,884,630	431,464	735,881	661,648	722,119	695,471	838,266	851,492	738,094	653,540	479,163	359,759	260,621	258,032	199,083
	6.74%	4.97%	8.49%	6.37%	6.75%	6.40%	6.85%	7.01%	7.92%	7.91%	6.30%	5.85%	5.51%	6.60%	5.97%
Red Flag Computation 5	13,408,620	910,410	791,937	978,220	1,577,045	1,320,293	1,651,996	1,449,139	1,124,182	999,975	764,000	576,330	415,717	515,309	334,068
	11.46%	10.49%	9.14%	9.42%	14.74%	12.16%	13.50%	11.94%	12.07%	12.10%	10.04%	9.37%	8.79%	13.17%	10.01%
Red Flag Computation 6	3,070,248	176,548	186,397	183,453	357,233	431,787	551,664	318,303	305,500	261,585	128,336	100,795	42,515	17,185	8,950
	2.62%	2.03%	2.15%	1.77%	3.34%	3.98%	4.51%	2.62%	3.28%	3.16%	1.69%	1.64%	0.90%	0.44%	0.27%
Red Flag Computation 7	59,193,819	4,077,151	4,150,347	4,623,359	5,331,527	5,508,065	6,232,900	5,908,245	4,981,355	4,719,892	4,475,564	3,315,275	2,431,861	2,016,291	1,421,990
	50.60%	46.99%	47.90%	44.54%	49.83%	50.71%	50.93%	48.67%	53.48%	57.10%	58.82%	53.92%	51.45%	51.54%	42.61%
Red Flag Computation 8	33,158,422	2,251,011	2,438,811	2,492,112	2,800,495	3,241,877	3,622,533	3,296,397	2,809,465	2,612,765	2,517,612	1,874,780	1,298,020	1,018,537	884,008
	28.35%	25.94%	28.15%	24.01%	26.17%	29.85%	29.60%	27.15%	30.17%	31.61%	33.09%	30.49%	27.46%	26.04%	26.49%
Red Flag Computation 9	4,874,088	249,351	288,322	244,890	279,074	337,065	647,988	394,093	411,313	389,634	489,388	425,456	283,661	269,408	164,448
	4.17%	2.87%	3.33%	2.36%	2.61%	3.10%	5.29%	3.25%	4.42%	4.71%	6.43%	6.92%	6.00%	6.89%	4.93%
Red Flag Computation 10	21,948,821	2,549,722	1,571,878	1,877,330	2,042,150	1,873,814	2,121,302	1,657,544	1,459,790	1,422,147	1,640,394	890,799	558,180	282,440	2,001,331
	18.76%	29.39%	18.14%	18.09%	19.09%	17.25%	17.33%	13.65%	15.67%	17.21%	21.56%	14.49%	11.81%	7.22%	59.97%
Red Flag Computation 11	20,497,938	2,549,722	1,571,878	1,877,330	2,042,150	1,873,814	2,121,302	1,657,544	1,459,790	1,422,147	1,640,394	890,799	558,180	282,440	550,448
	17.52%	29.39%	18.14%	18.09%	19.09%	17.25%	17.33%	13.65%	15.67%	17.21%	21.56%	14.49%	11.81%	7.22%	16.49%
Red Flag Computation 12	4,908,563	196,595	363,845	454,288	433,220	487,595	529,948	654,988	442,650	402,973	313,543	81,195	103,910	166,778	277,038
	4.20%	2.27%	4.20%	4.38%	4.05%	4.49%	4.33%	5.40%	4.75%	4.88%	4.12%	1.32%	2.20%	4.26%	8.30%
Red Flag Computation 13	10,777,933	687,455	1,043,116	1,443,424	1,376,000	1,527,110	1,888,750	1,977,248	343,208	118,788	112,183	39,538	42,834	70,750	107,533
	9.21%	7.92%	12.04%	13.91%	12.86%	14.06%	15.43%	16.29%	3.69%	1.44%	1.47%	0.64%	0.91%	1.81%	3.22%
Red Flag Computation 14	2,467,666	158,155	292,100	364,250	314,593	328,653	332,115	292,710	226,043	159,049	0	0	0	0	0
	2.11%	1.82%	3.37%	3.51%	2.94%	3.03%	2.71%	2.41%	2.43%	1.92%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	60,944,306	4,613,805	4,567,887	5,668,292	5,928,271	5,628,954	6,109,470	6,134,271	4,944,783	4,413,716	3,935,708	3,208,550	2,451,178	2,050,801	1,288,621
	52.10%	53.17%	52.72%	54.61%	55.41%	51.82%	49.92%	50.53%	53.09%	53.40%	51.73%	52.18%	51.85%	52.42%	38.61%
Red Flag Computation 16	1,989,795	0	21,490	654,134	415,958	285,054	138,164	232,146	116,767	81,893	21,746	13,148	2,826	6,170	300
	1.70%	0.00%	0.25%	6.30%	3.89%	2.62%	1.13%	1.91%	1.25%	0.99%	0.29%	0.21%	0.06%	0.16%	0.01%
Red Flag Computation 17	13,034,680	1,113,308	1,030,195	1,217,335	1,034,743	888,161	1,275,687	1,291,427	989,820	743,554	653,650	716,003	781,392	780,160	519,266
	11.14%	12.83%	11.89%	11.73%	9.67%	8.18%	10.42%	10.64%	10.63%	9.00%	8.59%	11.65%	16.53%	19.94%	15.56%
Red Flag Computation 18	5,515,866	422,420	461,273	499,005	493,134	415,127	606,145	563,998	480,325	365,094	369,388	328,479	209,837	172,229	129,414
	4.72%	4.87%	5.32%	4.81%	4.61%	3.82%	4.95%	4.65%	5.16%	4.42%	4.85%	5.34%	4.44%	4.40%	3.88%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County and Trumbull County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 19	2,631,506	178,658	194,758	198,128	217,136	200,830	378,475	259,417	232,161	213,206	201,869	126,898	102,496	62,359	65,117
	2.25%	2.06%	2.25%	1.91%	2.03%	1.85%	3.09%	2.14%	2.49%	2.58%	2.65%	2.06%	2.17%	1.59%	1.95%
Red Flag Computation 20	8,918,784	667,669	767,985	894,590	945,564	892,014	1,049,426	944,727	656,101	501,205	492,305	317,891	344,672	228,224	216,413
	7.62%	7.69%	8.86%	8.62%	8.84%	8.21%	8.57%	7.78%	7.04%	6.06%	6.47%	5.17%	7.29%	5.83%	6.48%
Red Flag Computation 21	5,599,037	380,496	498,148	506,798	461,558	575,147	757,605	579,838	510,810	298,916	329,971	237,796	180,938	167,442	113,576
	4.79%	4.39%	5.75%	4.88%	4.31%	5.30%	6.19%	4.78%	5.48%	3.62%	4.34%	3.87%	3.83%	4.28%	3.40%
Red Flag Computation 22	67,818	1,463	880	3,135	1,488	7,195	24,670	4,180	8,835	11,745	1,568	2,098	0	450	113
	0.06%	0.02%	0.01%	0.03%	0.01%	0.07%	0.20%	0.03%	0.09%	0.14%	0.02%	0.03%	0.00%	0.01%	0.00%
Red Flag Computation 23	114,093	2,535	3,800	3,105	2,888	7,225	36,273	6,713	12,880	31,815	2,850	2,210	0	1,800	0
	0.10%	0.03%	0.04%	0.03%	0.03%	0.07%	0.30%	0.06%	0.14%	0.38%	0.04%	0.04%	0.00%	0.05%	0.00%
Red Flag Computation 24	9,963,003	617,790	829,121	902,155	886,931	934,533	1,054,888	950,834	903,412	747,595	647,623	509,728	336,857	346,661	294,875
	8.52%	7.12%	9.57%	8.69%	8.29%	8.60%	8.62%	7.83%	9.70%	9.04%	8.51%	8.29%	7.13%	8.86%	8.84%
Red Flag Computation 25	4,370,100	196,595	363,845	454,288	433,220	487,595	529,948	654,988	308,940	252,135	215,610	55,665	76,090	133,338	207,845
	3.74%	2.27%	4.20%	4.38%	4.05%	4.49%	4.33%	5.40%	3.32%	3.05%	2.83%	0.91%	1.61%	3.41%	6.23%
Red Flag Computation 26	10,738,721	687,455	1,043,116	1,443,424	1,376,000	1,527,110	1,888,750	1,977,248	330,543	106,348	102,783	38,470	41,319	67,830	108,328
	9.18%	7.92%	12.04%	13.91%	12.86%	14.06%	15.43%	16.29%	3.55%	1.29%	1.35%	0.63%	0.87%	1.73%	3.25%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	2,000	0	1,800	0	0	0	0	200	0	0	0	0	0	0	0
	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	1,826,016	126,760	214,095	262,918	222,393	238,280	243,610	215,665	181,148	121,149	0	0	0	0	0
	1.56%	1.46%	2.47%	2.53%	2.08%	2.19%	1.99%	1.78%	1.94%	1.47%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	9,571,323	809,688	855,548	1,029,664	1,021,556	1,061,771	1,163,676	1,033,447	857,224	658,719	341,751	234,313	219,803	158,395	125,770
	8.18%	9.33%	9.87%	9.92%	9.55%	9.78%	9.51%	8.51%	9.20%	7.97%	4.49%	3.81%	4.65%	4.05%	3.77%
Red Flag Computation 31	9,472,584	388,153	522,245	806,985	836,113	993,199	1,064,854	1,085,758	849,597	628,583	651,378	587,783	499,883	281,020	277,038
	8.10%	4.47%	6.03%	7.77%	7.81%	9.14%	8.70%	8.94%	9.12%	7.60%	8.56%	9.56%	10.57%	7.18%	8.30%
Red Flag Computation 32	291,930	0	5,325	134,020	43,445	20,545	14,490	25,940	34,260	11,685	0	0	0	2,220	0
	0.25%	0.00%	0.06%	1.29%	0.41%	0.19%	0.12%	0.21%	0.37%	0.14%	0.00%	0.00%	0.00%	0.06%	0.00%
Red Flag Computation 33	4,302,023	327,278	303,810	404,368	369,977	449,204	459,779	357,832	252,149	448,727	320,222	296,000	130,501	116,330	65,850
	3.68%	3.77%	3.51%	3.90%	3.46%	4.14%	3.76%	2.95%	2.71%	5.43%	4.21%	4.81%	2.76%	2.97%	1.97%
Red Flag Computation 34	2,838,425	10,408	38,340	64,592	84,600	145,717	145,026	229,755	319,892	249,731	428,008	437,254	310,682	180,955	193,467
	2.43%	0.12%	0.44%	0.62%	0.79%	1.34%	1.18%	1.89%	3.43%	3.02%	5.63%	7.11%	6.57%	4.63%	5.80%
Red Flag Computation 35	10,690,199	1,349,634	1,051,237	1,013,100	985,015	1,099,533	861,834	768,640	711,004	724,957	567,493	503,498	369,587	360,774	323,894
	9.14%	15.55%	12.13%	9.76%	9.21%	10.12%	7.04%	6.33%	7.63%	8.77%	7.46%	8.19%	7.82%	9.22%	9.70%
Red Flag Computation 36	5,045,497	720,796	502,927	588,731	410,538	370,968	517,443	427,303	281,436	322,832	251,754	246,213	158,440	112,373	133,746
	4.31%	8.31%	5.80%	5.67%	3.84%	3.42%	4.23%	3.52%	3.02%	3.91%	3.31%	4.00%	3.35%	2.87%	4.01%

**Giant Eagle/HBC Combination Red Flagged Prescriptions Summary**  
**Lake County and Trumbull County, OH**  
 Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 37	432,179	7,695	8,100	14,575	42,675	29,825	24,476	31,325	42,513	28,510	36,625	62,100	46,948	51,750	5,063
	0.37%	0.09%	0.09%	0.14%	0.40%	0.27%	0.20%	0.26%	0.46%	0.34%	0.48%	1.01%	0.99%	1.32%	0.15%
Red Flag Computation 38	44,444,172	3,220,568	3,345,713	3,865,647	3,935,438	4,216,007	4,713,709	4,783,797	3,672,098	3,302,238	3,066,821	2,354,231	1,603,201	1,261,216	1,103,489
	38.00%	37.12%	38.62%	37.24%	36.78%	38.82%	38.51%	39.41%	39.43%	39.95%	40.31%	38.29%	33.92%	32.24%	33.06%
Red Flag Computation 39	2,995,710	176,548	186,397	183,453	357,233	431,787	551,664	318,303	268,788	250,235	124,061	86,545	38,165	14,485	8,050
	2.56%	2.03%	2.15%	1.77%	3.34%	3.98%	4.51%	2.62%	2.89%	3.03%	1.63%	1.41%	0.81%	0.37%	0.24%
Red Flag Computation 40	7,354,638	505,781	357,964	396,370	698,187	685,380	742,314	587,712	444,191	736,679	792,845	470,252	433,016	277,782	226,168
	6.29%	5.83%	4.13%	3.82%	6.53%	6.31%	6.07%	4.84%	4.77%	8.91%	10.42%	7.65%	9.16%	7.10%	6.78%
Red Flag Computation 41	20,017,728	1,592,550	1,504,713	2,046,339	1,989,128	1,862,930	2,280,369	2,216,264	1,428,729	1,309,093	1,295,648	1,020,423	571,770	475,760	424,014
	17.11%	18.35%	17.37%	19.71%	18.59%	17.15%	18.63%	18.26%	15.34%	15.84%	17.03%	16.60%	12.10%	12.16%	12.70%
Red Flag Computation 42	7,896,385	595,955	425,315	765,033	1,051,065	914,807	968,848	561,086	597,187	750,880	409,486	184,124	237,994	310,939	123,668
	6.75%	6.87%	4.91%	7.37%	9.82%	8.42%	7.92%	4.62%	6.41%	9.08%	5.38%	2.99%	5.03%	7.95%	3.71%
Red Flag Computation 43	113,638	0	0	65,700	39,965	4,308	800	690	300	1,875	0	0	0	0	0
	0.10%	0.00%	0.00%	0.63%	0.37%	0.04%	0.01%	0.01%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

**Notes**Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 1	1,791	85	132	100	100	120	206	205	162	210	145	81	89	91	65
	3.91%	3.73%	4.87%	2.82%	2.44%	2.90%	4.14%	3.92%	4.08%	5.74%	4.14%	2.90%	4.56%	5.71%	4.74%
Red Flag Computation 2	13,128	788	829	981	998	988	1,287	1,212	1,209	1,222	1,240	913	635	501	325
	28.67%	34.61%	30.56%	27.71%	24.38%	23.92%	25.90%	23.18%	30.43%	33.41%	35.40%	32.71%	32.51%	31.45%	23.71%
Red Flag Computation 3	7,742	456	483	584	737	686	796	874	800	647	557	409	277	217	219
	16.91%	20.03%	17.80%	16.50%	18.01%	16.61%	16.02%	16.71%	20.14%	17.69%	15.90%	14.65%	14.18%	13.62%	15.97%
Red Flag Computation 4	2,710	108	161	171	267	269	270	365	264	178	222	166	113	89	67
	5.92%	4.74%	5.93%	4.83%	6.52%	6.51%	5.43%	6.98%	6.64%	4.87%	6.34%	5.95%	5.79%	5.59%	4.89%
Red Flag Computation 5	7,102	367	446	493	644	688	813	778	694	593	505	391	274	244	172
	12.48%	13.19%	13.14%	11.29%	12.77%	13.31%	13.15%	12.08%	13.70%	12.80%	11.55%	11.16%	11.32%	12.57%	10.77%
Red Flag Computation 6	1,708	64	142	135	181	231	263	222	126	152	99	36	17	19	21
	3.00%	2.30%	4.18%	3.09%	3.59%	4.47%	4.25%	3.45%	2.49%	3.28%	2.26%	1.03%	0.70%	0.98%	1.31%
Red Flag Computation 7	27,418	1,259	1,594	1,960	2,228	2,429	2,917	2,956	2,635	2,440	2,263	1,858	1,277	979	623
	48.18%	45.24%	46.97%	44.90%	44.16%	46.98%	47.18%	45.89%	52.03%	52.68%	51.77%	53.01%	52.75%	50.44%	39.01%
Red Flag Computation 8	17,163	761	1,009	1,274	1,434	1,611	1,879	1,894	1,610	1,484	1,437	1,150	731	543	346
	30.16%	27.34%	29.73%	29.19%	28.42%	31.16%	30.39%	29.40%	31.79%	32.04%	32.88%	32.81%	30.19%	27.98%	21.67%
Red Flag Computation 9	1,815	85	91	84	78	80	134	111	143	221	228	176	144	129	111
	3.96%	3.73%	3.35%	2.37%	1.91%	1.94%	2.70%	2.12%	3.60%	6.04%	6.51%	6.31%	7.37%	8.10%	8.10%
Red Flag Computation 10	1,000	56	14	41	39	54	61	55	37	32	71	53	43	15	429
	2.18%	2.46%	0.52%	1.16%	0.95%	1.31%	1.23%	1.05%	0.93%	0.87%	2.03%	1.90%	2.20%	0.94%	31.29%
Red Flag Computation 11	639	56	14	41	39	54	61	55	37	32	71	53	43	15	68
	1.40%	2.46%	0.52%	1.16%	0.95%	1.31%	1.23%	1.05%	0.93%	0.87%	2.03%	1.90%	2.20%	0.94%	4.96%
Red Flag Computation 12	1,936	71	114	139	168	158	277	307	136	109	82	45	53	96	181
	4.23%	3.12%	4.20%	3.93%	4.10%	3.82%	5.57%	5.87%	3.42%	2.98%	2.34%	1.61%	2.71%	6.03%	13.20%
Red Flag Computation 13	5,401	279	408	674	634	746	1,130	1,174	149	37	33	26	19	26	66
	11.79%	12.25%	15.04%	19.04%	15.49%	18.06%	22.74%	22.45%	3.75%	1.01%	0.94%	0.93%	0.97%	1.63%	4.81%
Red Flag Computation 14	1,246	99	144	153	162	137	196	159	110	86	0	0	0	0	0
	2.72%	4.35%	5.31%	4.32%	3.96%	3.32%	3.94%	3.04%	2.77%	2.35%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	12,859	749	784	806	1,197	1,018	1,225	1,370	1,279	1,160	921	847	606	516	381
	28.08%	32.89%	28.90%	22.77%	29.25%	24.64%	24.65%	26.20%	32.19%	31.71%	26.29%	30.35%	31.03%	32.39%	27.79%
Red Flag Computation 16	3,106	0	0	640	691	605	255	424	215	142	62	41	15	14	2
	6.78%	0.00%	0.00%	18.08%	16.88%	14.65%	5.13%	8.11%	5.41%	3.88%	1.77%	1.47%	0.77%	0.88%	0.15%
Red Flag Computation 17	7,570	472	486	573	592	534	736	687	740	711	600	510	389	333	207
	13.30%	16.96%	14.32%	13.13%	11.73%	10.33%	11.90%	10.66%	14.61%	15.35%	13.73%	14.55%	16.07%	17.16%	12.96%
Red Flag Computation 18	4,079	231	229	275	325	341	392	408	413	399	404	276	192	112	82
	8.91%	10.14%	8.44%	7.77%	7.94%	8.25%	7.89%	7.80%	10.40%	10.91%	11.53%	9.89%	9.83%	7.03%	5.98%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 19	1,675	97	78	108	90	128	180	177	187	176	177	124	84	40	29
	3.66%	4.26%	2.88%	3.05%	2.20%	3.10%	3.62%	3.38%	4.71%	4.81%	5.05%	4.44%	4.30%	2.51%	2.12%
Red Flag Computation 20	4,648	252	247	333	386	397	471	547	503	419	387	285	190	117	114
	10.15%	11.07%	9.10%	9.41%	9.43%	9.61%	9.48%	10.46%	12.66%	11.45%	11.05%	10.21%	9.73%	7.34%	8.32%
Red Flag Computation 21	3,051	194	178	218	255	308	320	307	322	259	265	173	115	71	66
	6.66%	8.52%	6.56%	6.16%	6.23%	7.46%	6.44%	5.87%	8.10%	7.08%	7.56%	6.20%	5.89%	4.46%	4.81%
Red Flag Computation 22	76	4	2	6	1	9	17	8	4	10	6	7	0	1	1
	0.17%	0.18%	0.07%	0.17%	0.02%	0.22%	0.34%	0.15%	0.10%	0.27%	0.17%	0.25%	0.00%	0.06%	0.07%
Red Flag Computation 23	65	4	1	6	1	6	12	6	6	14	4	4	0	1	0
	0.14%	0.18%	0.04%	0.17%	0.02%	0.15%	0.24%	0.11%	0.15%	0.38%	0.11%	0.14%	0.00%	0.06%	0.00%
Red Flag Computation 24	4,331	169	218	364	412	454	440	502	413	298	356	264	189	128	124
	9.46%	7.42%	8.04%	10.28%	10.07%	10.99%	8.85%	9.60%	10.40%	8.15%	10.16%	9.46%	9.68%	8.04%	9.04%
Red Flag Computation 25	1,753	71	114	139	168	158	277	307	103	67	57	36	37	81	138
	3.83%	3.12%	4.20%	3.93%	4.10%	3.82%	5.57%	5.87%	2.59%	1.83%	1.63%	1.29%	1.89%	5.08%	10.07%
Red Flag Computation 26	5,398	279	408	674	634	746	1,130	1,174	146	36	34	26	19	25	67
	11.79%	12.25%	15.04%	19.04%	15.49%	18.06%	22.74%	22.45%	3.67%	0.98%	0.97%	0.93%	0.97%	1.57%	4.89%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	998	76	113	116	129	109	161	126	94	74	0	0	0	0	0
	2.18%	3.34%	4.17%	3.28%	3.15%	2.64%	3.24%	2.41%	2.37%	2.02%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	3,719	248	291	306	414	385	490	462	398	276	150	109	66	56	68
	8.12%	10.89%	10.73%	8.64%	10.11%	9.32%	9.86%	8.84%	10.02%	7.55%	4.28%	3.91%	3.38%	3.52%	4.96%
Red Flag Computation 31	2,418	91	140	169	265	166	288	311	260	219	123	148	98	64	76
	5.28%	4.00%	5.16%	4.77%	6.47%	4.02%	5.79%	5.95%	6.54%	5.99%	3.51%	5.30%	5.02%	4.02%	5.54%
Red Flag Computation 32	200	0	0	50	34	20	15	31	35	14	0	0	0	1	0
	0.44%	0.00%	0.00%	1.41%	0.83%	0.48%	0.30%	0.59%	0.88%	0.38%	0.00%	0.00%	0.00%	0.06%	0.00%
Red Flag Computation 33	568	31	25	13	73	32	50	55	40	33	34	46	43	46	47
	1.24%	1.36%	0.92%	0.37%	1.78%	0.77%	1.01%	1.05%	1.01%	0.90%	0.97%	1.65%	2.20%	2.89%	3.43%
Red Flag Computation 34	959	3	1	2	16	11	22	50	73	69	161	164	145	121	121
	2.09%	0.13%	0.04%	0.06%	0.39%	0.27%	0.44%	0.96%	1.84%	1.89%	4.60%	5.88%	7.42%	7.60%	8.83%
Red Flag Computation 35	3,859	233	337	264	389	313	221	303	364	285	278	267	180	227	198
	8.43%	10.23%	12.42%	7.46%	9.50%	7.58%	4.45%	5.79%	9.16%	7.79%	7.94%	9.57%	9.22%	14.25%	14.44%
Red Flag Computation 36	5,000	344	326	418	383	379	510	445	392	487	590	341	164	136	85
	10.92%	15.11%	12.02%	11.81%	9.36%	9.17%	10.26%	8.51%	9.87%	13.31%	16.84%	12.22%	8.40%	8.54%	6.20%

**Giant Eagle/HBC Combination Red Flagged Prescriptions Summary**  
**Lake County, OH**

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 37	182	0	0	11	41	23	18	38	25	21	4	0	1	0	0
	0.40%	0.00%	0.00%	0.31%	1.00%	0.56%	0.36%	0.73%	0.63%	0.57%	0.11%	0.00%	0.05%	0.00%	0.00%
Red Flag Computation 38	23,075	1,076	1,364	1,826	2,132	2,193	2,526	2,612	2,130	1,938	1,807	1,408	915	693	455
	40.54%	38.66%	40.19%	41.83%	42.26%	42.42%	40.85%	40.55%	42.06%	41.84%	41.34%	40.17%	37.79%	35.70%	28.49%
Red Flag Computation 39	1,704	64	142	135	181	231	263	222	124	152	99	36	17	19	19
	2.99%	2.30%	4.18%	3.09%	3.59%	4.47%	4.25%	3.45%	2.45%	3.28%	2.26%	1.03%	0.70%	0.98%	1.19%
Red Flag Computation 40	992	66	24	33	57	82	95	53	59	116	146	105	108	31	17
	2.17%	2.90%	0.88%	0.93%	1.39%	1.98%	1.91%	1.01%	1.49%	3.17%	4.17%	3.76%	5.53%	1.95%	1.24%
Red Flag Computation 41	6,189	398	433	549	673	600	625	744	543	430	483	352	192	109	58
	10.87%	14.30%	12.76%	12.58%	13.34%	11.61%	10.11%	11.55%	10.72%	9.28%	11.05%	10.04%	7.93%	5.62%	3.63%
Red Flag Computation 42	3,548	232	316	256	315	319	257	305	357	372	269	162	158	143	87
	6.23%	8.34%	9.31%	5.86%	6.24%	6.17%	4.16%	4.73%	7.05%	8.03%	6.15%	4.62%	6.53%	7.37%	5.45%
Red Flag Computation 43	96	0	0	38	36	9	1	6	1	5	0	0	0	0	0
	0.17%	0.00%	0.00%	0.87%	0.71%	0.17%	0.02%	0.09%	0.02%	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

**Notes**

Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 1	115,489	4,763	8,401	6,110	6,166	7,086	13,302	13,715	10,098	11,897	9,302	6,663	6,690	5,787	5,509
	3.93%	3.49%	5.15%	2.62%	2.33%	2.65%	4.05%	3.94%	3.84%	5.35%	4.44%	3.71%	5.29%	5.64%	5.69%
Red Flag Computation 2	718,156	42,119	49,293	61,983	60,914	55,730	72,319	63,721	58,925	57,388	56,391	50,702	37,421	30,033	21,217
	24.41%	30.87%	30.24%	26.59%	23.03%	20.82%	22.00%	18.30%	22.40%	25.81%	26.92%	28.27%	29.61%	29.26%	21.91%
Red Flag Computation 3	444,942	24,156	27,581	35,485	44,339	39,879	45,034	50,988	46,073	36,048	31,917	22,790	17,001	11,366	12,285
	15.12%	17.70%	16.92%	15.22%	16.76%	14.90%	13.70%	14.64%	17.51%	16.21%	15.23%	12.71%	13.45%	11.07%	12.68%
Red Flag Computation 4	205,247	6,770	11,229	11,938	19,730	19,244	22,053	28,208	18,167	12,862	18,131	14,674	9,133	7,616	5,492
	6.98%	4.96%	6.89%	5.12%	7.46%	7.19%	6.71%	8.10%	6.91%	5.78%	8.65%	8.18%	7.23%	7.42%	5.67%
Red Flag Computation 5	508,338	27,658	28,721	33,467	51,641	53,781	67,036	59,686	48,446	40,318	31,885	26,410	15,042	13,344	10,903
	14.56%	16.78%	14.67%	12.36%	16.30%	16.63%	16.99%	14.61%	15.27%	14.94%	12.85%	12.39%	10.27%	11.57%	10.27%
Red Flag Computation 6	125,261	5,028	7,638	8,017	14,440	18,786	22,071	15,948	9,359	11,512	6,852	3,270	554	878	908
	3.59%	3.05%	3.90%	2.96%	4.56%	5.81%	5.60%	3.90%	2.95%	4.26%	2.76%	1.53%	0.38%	0.76%	0.86%
Red Flag Computation 7	1,663,675	79,596	93,053	123,078	138,677	158,069	193,708	180,574	158,801	143,907	129,876	109,172	71,855	49,794	33,515
	47.66%	48.28%	47.52%	45.46%	43.78%	48.87%	49.11%	44.21%	50.05%	53.31%	52.34%	51.23%	49.07%	43.18%	31.57%
Red Flag Computation 8	988,342	46,990	56,751	71,901	85,495	101,864	119,391	110,830	91,387	83,596	77,118	65,505	37,770	23,238	16,506
	28.31%	28.50%	28.98%	26.56%	26.99%	31.49%	30.27%	27.14%	28.80%	30.97%	31.08%	30.74%	25.79%	20.15%	15.55%
Red Flag Computation 9	116,066	5,381	5,526	5,658	5,439	7,421	7,906	9,840	9,889	11,732	12,198	11,150	9,373	7,462	7,091
	3.95%	3.94%	3.39%	2.43%	2.06%	2.77%	2.41%	2.83%	3.76%	5.28%	5.82%	6.22%	7.42%	7.27%	7.32%
Red Flag Computation 10	93,284	2,980	750	2,879	4,243	4,763	7,364	7,529	4,510	3,377	6,160	5,001	4,120	1,160	38,448
	3.17%	2.18%	0.46%	1.24%	1.60%	1.78%	2.24%	2.16%	1.71%	1.52%	2.94%	2.79%	3.26%	1.13%	39.70%
Red Flag Computation 11	59,698	2,980	750	2,879	4,243	4,763	7,364	7,529	4,510	3,377	6,160	5,001	4,120	1,160	4,862
	2.03%	2.18%	0.46%	1.24%	1.60%	1.78%	2.24%	2.16%	1.71%	1.52%	2.94%	2.79%	3.26%	1.13%	5.02%
Red Flag Computation 12	146,153	2,174	5,759	10,771	10,188	11,643	17,973	25,151	13,071	10,648	5,030	2,715	4,026	9,330	17,674
	4.97%	1.59%	3.53%	4.62%	3.85%	4.35%	5.47%	7.22%	4.97%	4.79%	2.40%	1.51%	3.19%	9.09%	18.25%
Red Flag Computation 13	331,948	9,747	16,755	48,217	40,056	43,356	64,309	80,454	12,894	2,479	1,286	2,397	1,520	1,929	6,549
	11.28%	7.14%	10.28%	20.69%	15.14%	16.20%	19.56%	23.10%	4.90%	1.11%	0.61%	1.34%	1.20%	1.88%	6.76%
Red Flag Computation 14	118,554	11,248	14,002	15,691	14,559	12,177	18,209	15,615	9,925	7,128	0	0	0	0	0
	4.03%	8.24%	8.59%	6.73%	5.50%	4.55%	5.54%	4.48%	3.77%	3.21%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	1,100,538	59,009	62,184	75,261	104,852	93,529	113,664	133,871	111,403	92,924	75,336	65,333	45,687	38,166	29,319
	37.41%	43.25%	38.15%	32.29%	39.64%	34.94%	34.58%	38.44%	42.35%	41.79%	35.96%	36.42%	36.16%	37.19%	30.27%
Red Flag Computation 16	119,974	0	0	27,356	31,016	21,674	9,360	15,138	8,706	4,162	1,268	700	242	302	50
	4.08%	0.00%	0.00%	11.74%	11.73%	8.10%	2.85%	4.35%	3.31%	1.87%	0.61%	0.39%	0.19%	0.29%	0.05%
Red Flag Computation 17	483,964	28,757	31,183	38,796	38,920	34,217	49,897	44,779	42,313	39,551	35,697	34,122	27,632	22,723	15,377
	13.86%	17.44%	15.93%	14.33%	12.29%	10.58%	12.65%	10.96%	13.34%	14.65%	14.38%	16.01%	18.87%	19.70%	14.48%
Red Flag Computation 18	173,441	10,176	10,552	13,356	13,857	14,748	17,150	16,339	17,500	16,494	16,196	12,911	7,287	4,141	2,734
	5.90%	7.46%	6.47%	5.73%	5.24%	5.51%	5.22%	4.69%	6.65%	7.42%	7.73%	7.20%	5.77%	4.03%	2.82%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 19	76,734	4,729	4,348	5,277	4,711	6,414	8,711	6,859	8,021	8,230	7,603	5,697	3,583	1,718	833
	2.61%	3.47%	2.67%	2.26%	1.78%	2.40%	2.65%	1.97%	3.05%	3.70%	3.63%	3.18%	2.84%	1.67%	0.86%
Red Flag Computation 20	230,811	11,875	13,946	16,296	19,547	19,533	22,905	25,797	25,468	21,746	17,916	14,836	9,930	5,617	5,399
	7.85%	8.70%	8.56%	6.99%	7.39%	7.30%	6.97%	7.41%	9.68%	9.78%	8.55%	8.27%	7.86%	5.47%	5.57%
Red Flag Computation 21	153,009	10,004	11,453	11,738	12,284	16,357	15,574	14,983	15,445	11,826	12,378	8,049	5,854	3,670	3,394
	5.20%	7.33%	7.03%	5.04%	4.64%	6.11%	4.74%	4.30%	5.87%	5.32%	5.91%	4.49%	4.63%	3.58%	3.50%
Red Flag Computation 22	3,066	109	100	170	30	361	767	188	340	379	186	361	0	60	15
	0.10%	0.08%	0.06%	0.07%	0.01%	0.13%	0.23%	0.05%	0.13%	0.17%	0.09%	0.20%	0.00%	0.06%	0.02%
Red Flag Computation 23	4,163	188	240	220	12	320	736	445	370	930	290	412	0	0	0
	0.14%	0.14%	0.15%	0.09%	0.00%	0.12%	0.22%	0.13%	0.14%	0.42%	0.14%	0.23%	0.00%	0.00%	0.00%
Red Flag Computation 24	296,096	10,063	14,270	23,123	25,341	27,385	31,360	36,355	28,579	18,865	25,868	21,741	13,121	9,983	10,042
	10.06%	7.37%	8.75%	9.92%	9.58%	10.23%	9.54%	10.44%	10.86%	8.48%	12.35%	12.12%	10.38%	9.73%	10.37%
Red Flag Computation 25	129,974	2,174	5,759	10,771	10,188	11,643	17,973	25,151	10,156	6,195	3,869	1,914	2,857	7,847	13,477
	4.42%	1.59%	3.53%	4.62%	3.85%	4.35%	5.47%	7.22%	3.86%	2.79%	1.85%	1.07%	2.26%	7.65%	13.92%
Red Flag Computation 26	331,654	9,747	16,755	48,217	40,056	43,356	64,309	80,454	12,422	2,357	1,466	2,388	1,438	1,922	6,767
	11.27%	7.14%	10.28%	20.69%	15.14%	16.20%	19.56%	23.10%	4.72%	1.06%	0.70%	1.33%	1.14%	1.87%	6.99%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	92,491	8,518	10,636	12,035	11,415	9,369	14,457	11,850	8,473	5,738	0	0	0	0	0
	3.14%	6.24%	6.53%	5.16%	4.32%	3.50%	4.40%	3.40%	3.22%	2.58%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	307,051	21,273	23,435	26,702	34,448	31,523	42,788	40,040	33,437	21,180	10,981	7,193	4,761	3,770	5,520
	10.44%	15.59%	14.38%	11.46%	13.02%	11.78%	13.02%	11.50%	12.71%	9.53%	5.24%	4.01%	3.77%	3.67%	5.70%
Red Flag Computation 31	281,270	10,032	14,971	19,109	31,961	22,655	34,988	38,856	28,384	23,639	12,061	17,442	10,854	7,695	8,623
	9.56%	7.35%	9.18%	8.20%	12.08%	8.46%	10.64%	11.16%	10.79%	10.63%	5.76%	9.72%	8.59%	7.50%	8.90%
Red Flag Computation 32	9,488	0	0	2,207	1,683	718	540	900	2,440	1,000	0	0	0	0	0
	0.32%	0.00%	0.00%	0.95%	0.64%	0.27%	0.16%	0.26%	0.93%	0.45%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 33	30,542	1,887	1,509	496	3,568	1,601	2,732	4,086	2,485	1,976	2,305	2,120	1,894	1,794	2,089
	1.04%	1.38%	0.93%	0.21%	1.35%	0.60%	0.83%	1.17%	0.94%	0.89%	1.10%	1.18%	1.50%	1.75%	2.16%
Red Flag Computation 34	79,119	0	120	232	1,390	1,055	2,160	4,044	6,187	5,280	14,108	13,142	11,396	9,559	10,446
	2.69%	0.00%	0.07%	0.10%	0.53%	0.39%	0.66%	1.16%	2.35%	2.37%	6.73%	7.33%	9.02%	9.31%	10.79%
Red Flag Computation 35	215,063	14,774	18,389	15,650	22,680	16,996	13,354	17,141	20,583	14,632	16,903	12,740	9,111	11,883	10,227
	7.31%	10.83%	11.28%	6.71%	8.58%	6.35%	4.06%	4.92%	7.82%	6.58%	8.07%	7.10%	7.21%	11.58%	10.56%
Red Flag Computation 36	234,367	17,947	19,266	28,315	22,592	20,299	21,512	19,000	13,374	17,524	18,853	13,989	8,008	7,971	5,717
	7.97%	13.15%	11.82%	12.15%	8.54%	7.58%	6.54%	5.46%	5.08%	7.88%	9.00%	7.80%	6.34%	7.77%	5.90%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 37	17,184	0	0	815	4,015	2,260	1,962	3,415	3,170	1,487	50	0	10	0	0
	0.58%	0.00%	0.00%	0.35%	1.52%	0.84%	0.60%	0.98%	1.20%	0.67%	0.02%	0.00%	0.01%	0.00%	0.00%
Red Flag Computation 38	1,387,373	70,611	81,266	108,267	134,276	141,780	164,892	164,922	128,131	110,391	98,731	80,896	48,441	31,875	22,894
	39.74%	42.83%	41.50%	39.99%	42.39%	43.83%	41.80%	40.38%	40.38%	40.89%	39.79%	37.96%	33.08%	27.64%	21.56%
Red Flag Computation 39	124,781	5,028	7,638	8,017	14,440	18,786	22,071	15,948	9,089	11,512	6,852	3,270	554	878	698
	3.57%	3.05%	3.90%	2.96%	4.56%	5.81%	5.60%	3.90%	2.86%	4.26%	2.76%	1.53%	0.38%	0.76%	0.66%
Red Flag Computation 40	77,403	6,022	3,660	3,976	5,596	7,990	8,784	5,406	4,375	6,949	8,611	6,039	6,863	1,740	1,392
	2.63%	4.41%	2.25%	1.71%	2.12%	2.98%	2.67%	1.55%	1.66%	3.13%	4.11%	3.37%	5.43%	1.70%	1.44%
Red Flag Computation 41	503,394	32,743	31,487	44,116	55,897	52,742	57,350	62,148	43,121	34,488	36,345	29,093	13,179	6,903	3,782
	14.42%	19.86%	16.08%	16.30%	17.63%	16.31%	14.54%	15.22%	13.59%	12.78%	14.65%	13.65%	9.00%	5.99%	3.56%
Red Flag Computation 42	214,895	15,600	16,947	14,354	19,908	19,588	17,339	17,887	21,316	26,267	16,656	8,574	8,136	7,867	4,456
	6.16%	9.46%	8.65%	5.30%	6.28%	6.06%	4.40%	4.38%	6.72%	9.73%	6.71%	4.02%	5.56%	6.82%	4.20%
Red Flag Computation 43	6,901	0	0	2,917	2,876	495	60	303	0	250	0	0	0	0	0
	0.20%	0.00%	0.00%	1.08%	0.91%	0.15%	0.02%	0.07%	0.00%	0.09%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

## Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

## Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 1	1,478,026	42,085	71,110	42,835	51,135	68,199	200,020	261,960	177,755	156,233	105,878	76,963	82,230	82,865	58,760
	4.18%	1.99%	3.92%	1.87%	1.78%	2.17%	5.28%	6.64%	5.63%	5.75%	3.85%	3.23%	4.50%	6.03%	4.94%
Red Flag Computation 2	8,089,368	815,004	491,247	567,183	537,242	473,022	781,278	871,968	677,122	618,541	580,948	583,181	494,904	395,618	202,112
	22.87%	38.53%	27.05%	24.71%	18.73%	15.05%	20.62%	22.11%	21.44%	22.77%	21.12%	24.49%	27.07%	28.79%	16.99%
Red Flag Computation 3	5,469,671	342,543	355,087	351,739	517,247	453,909	548,746	622,032	557,306	432,967	428,123	291,902	236,889	163,938	167,245
	15.46%	16.19%	19.55%	15.33%	18.03%	14.44%	14.48%	15.77%	17.65%	15.94%	15.56%	12.26%	12.96%	11.93%	14.06%
Red Flag Computation 4	3,094,032	105,480	169,875	150,810	305,724	349,291	361,901	390,704	347,685	180,714	210,330	168,168	149,834	124,289	79,230
	8.75%	4.99%	9.35%	6.57%	10.66%	11.11%	9.55%	9.91%	11.01%	6.65%	7.65%	7.06%	8.20%	9.05%	6.66%
Red Flag Computation 5	4,392,374	389,655	209,979	227,615	416,303	430,978	500,684	470,120	353,146	393,696	366,068	226,952	147,838	154,717	104,625
	12.42%	18.42%	11.56%	9.92%	14.51%	13.71%	13.21%	11.92%	11.18%	14.49%	13.31%	9.53%	8.09%	11.26%	8.79%
Red Flag Computation 6	740,191	57,555	36,989	30,625	47,265	111,325	121,689	74,455	58,590	107,955	62,073	19,830	2,145	2,880	6,815
	2.09%	2.72%	2.04%	1.33%	1.65%	3.54%	3.21%	1.89%	1.86%	3.97%	2.26%	0.83%	0.12%	0.21%	0.57%
Red Flag Computation 7	15,232,860	884,449	795,151	950,266	1,178,800	1,392,699	1,628,207	1,630,295	1,388,298	1,337,427	1,294,992	1,098,416	792,310	555,543	306,008
	43.07%	41.82%	43.78%	41.41%	41.10%	44.31%	42.97%	41.34%	43.97%	49.23%	47.07%	46.13%	43.34%	40.43%	25.72%
Red Flag Computation 8	6,885,660	385,623	374,802	460,793	526,488	742,866	782,277	707,578	661,576	648,414	593,831	494,609	256,242	144,755	105,808
	19.47%	18.23%	20.64%	20.08%	18.36%	23.64%	20.64%	17.94%	20.95%	23.87%	21.58%	20.77%	14.02%	10.53%	8.89%
Red Flag Computation 9	1,785,386	141,183	84,223	65,203	59,623	109,668	83,585	159,308	132,520	151,669	199,356	198,020	164,450	131,971	104,610
	5.05%	6.67%	4.64%	2.84%	2.08%	3.49%	2.21%	4.04%	4.20%	5.58%	7.25%	8.32%	8.99%	9.60%	8.79%
Red Flag Computation 10	4,551,754	495,852	91,200	262,350	381,305	482,459	565,182	348,514	233,090	187,402	321,840	251,039	192,990	45,900	692,631
	12.87%	23.44%	5.02%	11.43%	13.29%	15.35%	14.91%	8.84%	7.38%	6.90%	11.70%	10.54%	10.56%	3.34%	58.21%
Red Flag Computation 11	4,030,431	495,852	91,200	262,350	381,305	482,459	565,182	348,514	233,090	187,402	321,840	251,039	192,990	45,900	171,308
	11.40%	23.44%	5.02%	11.43%	13.29%	15.35%	14.91%	8.84%	7.38%	6.90%	11.70%	10.54%	10.56%	3.34%	14.40%
Red Flag Computation 12	1,133,353	18,095	38,150	73,398	74,665	91,303	130,120	177,893	91,985	75,773	36,855	18,850	36,318	86,105	183,845
	3.20%	0.86%	2.10%	3.20%	2.60%	2.90%	3.43%	4.51%	2.91%	2.79%	1.34%	0.79%	1.99%	6.27%	15.45%
Red Flag Computation 13	2,387,732	75,863	119,763	327,287	284,765	309,353	458,930	572,290	95,443	16,898	10,138	13,668	15,465	18,245	69,628
	6.75%	3.59%	6.59%	14.26%	9.93%	9.84%	12.11%	14.51%	3.02%	0.62%	0.37%	0.57%	0.85%	1.33%	5.85%
Red Flag Computation 14	797,786	74,740	98,525	97,665	96,695	85,403	129,238	103,250	65,178	47,094	0	0	0	0	0
	2.26%	3.53%	5.43%	4.26%	3.37%	2.72%	3.41%	2.62%	2.06%	1.73%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	18,292,246	1,346,087	910,160	950,283	1,537,962	1,597,016	1,891,945	1,975,462	1,741,706	1,509,586	1,374,328	1,269,385	987,091	741,922	459,315
	51.72%	63.64%	50.12%	41.41%	53.62%	50.81%	49.93%	50.09%	55.16%	55.57%	49.95%	53.31%	53.99%	53.99%	38.60%
Red Flag Computation 16	997,259	0	0	268,941	261,283	161,410	68,661	110,641	71,945	32,610	11,459	5,853	1,806	2,350	300
	2.82%	0.00%	0.00%	11.72%	9.11%	5.14%	1.81%	2.81%	2.28%	1.20%	0.42%	0.25%	0.10%	0.17%	0.03%
Red Flag Computation 17	5,336,163	581,176	304,501	332,968	288,888	256,765	468,766	603,978	472,415	409,998	387,135	394,098	380,542	307,948	146,988
	15.09%	27.48%	16.77%	14.51%	10.07%	8.17%	12.37%	15.31%	14.96%	15.09%	14.07%	16.55%	20.81%	22.41%	12.35%
Red Flag Computation 18	1,702,318	113,780	104,203	100,671	157,031	122,513	156,161	179,854	152,629	147,572	170,326	154,324	68,418	47,583	27,255
	4.81%	5.38%	5.74%	4.39%	5.47%	3.90%	4.12%	4.56%	4.83%	5.43%	6.19%	6.48%	3.74%	3.46%	2.29%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 19	799,530	56,995	41,515	39,344	60,021	65,468	96,733	78,312	73,074	75,909	76,110	75,970	32,323	18,562	9,198
	2.26%	2.69%	2.29%	1.71%	2.09%	2.08%	2.55%	1.99%	2.31%	2.79%	2.77%	3.19%	1.77%	1.35%	0.77%
Red Flag Computation 20	2,700,568	144,756	179,490	158,884	235,865	245,037	260,278	271,257	298,614	206,587	219,154	177,616	143,550	67,898	91,585
	7.64%	6.84%	9.88%	6.92%	8.22%	7.80%	6.87%	6.88%	9.46%	7.60%	7.97%	7.46%	7.85%	4.94%	7.70%
Red Flag Computation 21	1,721,907	129,617	136,689	95,604	135,469	210,897	186,070	136,075	177,247	109,252	125,885	121,874	62,990	47,352	46,888
	4.87%	6.13%	7.53%	4.17%	4.72%	6.71%	4.91%	3.45%	5.61%	4.02%	4.58%	5.12%	3.45%	3.45%	3.94%
Red Flag Computation 22	38,870	1,043	500	1,175	225	7,195	6,645	3,730	5,250	8,880	1,568	2,098	0	450	113
	0.11%	0.05%	0.03%	0.05%	0.01%	0.23%	0.18%	0.09%	0.17%	0.33%	0.06%	0.09%	0.00%	0.03%	0.01%
Red Flag Computation 23	60,408	2,535	1,800	1,575	90	6,925	7,360	6,488	8,550	18,225	2,850	2,210	0	1,800	0
	0.17%	0.12%	0.10%	0.07%	0.00%	0.22%	0.19%	0.16%	0.27%	0.67%	0.10%	0.09%	0.00%	0.13%	0.00%
Red Flag Computation 24	4,146,323	139,898	202,370	264,495	367,327	471,027	449,526	480,464	473,112	225,171	307,842	250,068	202,021	175,375	137,630
	11.72%	6.61%	11.14%	11.53%	12.81%	14.99%	11.86%	12.18%	14.98%	8.29%	11.19%	10.50%	11.05%	12.76%	11.57%
Red Flag Computation 25	998,115	18,095	38,150	73,398	74,665	91,303	130,120	177,893	71,843	44,030	28,493	13,045	23,798	73,605	139,680
	2.82%	0.86%	2.10%	3.20%	2.60%	2.90%	3.43%	4.51%	2.28%	1.62%	1.04%	0.55%	1.30%	5.36%	11.74%
Red Flag Computation 26	2,385,725	75,863	119,763	327,287	284,765	309,353	458,930	572,290	92,053	15,983	12,388	13,570	14,850	18,210	70,423
	6.75%	3.59%	6.59%	14.26%	9.93%	9.84%	12.11%	14.51%	2.92%	0.59%	0.45%	0.57%	0.81%	1.33%	5.92%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	620,021	55,570	75,770	75,115	75,060	64,438	100,233	79,510	56,233	38,094	0	0	0	0	0
	1.75%	2.63%	4.17%	3.27%	2.62%	2.05%	2.65%	2.02%	1.78%	1.40%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	3,713,174	297,728	264,546	256,860	416,404	468,265	585,956	445,093	331,945	213,928	146,606	90,184	89,731	33,993	71,938
	10.50%	14.08%	14.57%	11.19%	14.52%	14.90%	15.46%	11.29%	10.51%	7.87%	5.33%	3.79%	4.91%	2.47%	6.05%
Red Flag Computation 31	3,653,447	150,880	187,613	169,805	368,693	405,001	531,651	427,113	307,365	222,758	156,330	293,355	206,213	125,050	101,623
	10.33%	7.13%	10.33%	7.40%	12.85%	12.89%	14.03%	10.83%	9.73%	8.20%	5.68%	12.32%	11.28%	9.10%	8.54%
Red Flag Computation 32	150,875	0	0	61,050	24,790	8,505	5,270	8,380	32,760	9,820	0	0	0	300	0
	0.43%	0.00%	0.00%	2.66%	0.86%	0.27%	0.14%	0.21%	1.04%	0.36%	0.00%	0.00%	0.00%	0.02%	0.00%
Red Flag Computation 33	762,156	62,385	38,865	19,640	106,292	49,130	55,433	72,817	52,047	55,602	44,437	56,910	51,251	44,040	53,310
	2.15%	2.95%	2.14%	0.86%	3.71%	1.56%	1.46%	1.85%	1.65%	2.05%	1.62%	2.39%	2.80%	3.21%	4.48%
Red Flag Computation 34	1,250,357	2,808	900	1,740	25,350	24,328	86,031	103,403	126,267	101,163	173,978	157,139	155,559	131,208	160,485
	3.54%	0.13%	0.05%	0.08%	0.88%	0.77%	2.27%	2.62%	4.00%	3.72%	6.32%	6.60%	8.51%	9.55%	13.49%
Red Flag Computation 35	3,328,940	308,183	269,715	221,526	316,400	231,363	185,461	295,237	289,828	183,299	273,954	248,076	171,570	190,990	143,340
	9.41%	14.57%	14.83%	9.65%	11.03%	7.36%	4.89%	7.49%	9.18%	6.75%	9.96%	10.42%	9.38%	13.90%	12.05%
Red Flag Computation 36	2,564,709	408,550	206,666	288,476	206,473	176,589	225,804	246,676	132,898	166,647	155,294	141,740	84,005	71,368	53,525
	7.25%	19.32%	11.38%	12.57%	7.20%	5.62%	5.96%	6.25%	4.21%	6.13%	5.64%	5.95%	4.59%	5.19%	4.50%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Lake County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 37	132,276	0	0	5,575	32,100	21,725	17,591	25,388	22,163	7,435	250	0	50	0	0
	0.37%	0.00%	0.00%	0.24%	1.12%	0.69%	0.46%	0.64%	0.70%	0.27%	0.01%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 38	10,264,788	621,160	544,274	801,848	907,918	1,080,658	1,117,527	1,271,998	972,483	828,606	772,878	616,840	338,365	227,400	162,836
	29.02%	29.37%	29.97%	34.94%	31.65%	34.38%	29.49%	32.25%	30.80%	30.50%	28.09%	25.91%	18.51%	16.55%	13.68%
Red Flag Computation 39	736,704	57,555	36,989	30,625	47,265	111,325	121,689	74,455	56,003	107,955	62,073	19,830	2,145	2,880	5,915
	2.08%	2.72%	2.04%	1.33%	1.65%	3.54%	3.21%	1.89%	1.77%	3.97%	2.26%	0.83%	0.12%	0.21%	0.50%
Red Flag Computation 40	1,948,500	207,842	78,564	96,440	138,773	175,867	184,099	104,089	73,156	239,784	265,613	140,240	182,625	39,725	21,684
	5.51%	9.83%	4.33%	4.20%	4.84%	5.60%	4.86%	2.64%	2.32%	8.83%	9.65%	5.89%	9.99%	2.89%	1.82%
Red Flag Computation 41	3,847,249	257,439	192,856	304,662	382,284	385,310	381,204	517,066	344,411	310,080	335,710	243,193	113,768	55,703	23,565
	10.88%	12.17%	10.62%	13.28%	13.33%	12.26%	10.06%	13.11%	10.91%	11.41%	12.20%	10.21%	6.22%	4.05%	1.98%
Red Flag Computation 42	2,410,932	196,625	133,843	149,815	200,295	210,325	210,564	166,019	196,840	324,384	255,591	99,678	112,530	110,644	43,780
	6.82%	9.30%	7.37%	6.53%	6.98%	6.69%	5.56%	4.21%	6.23%	11.94%	9.29%	4.19%	6.16%	8.05%	3.68%
Red Flag Computation 43	101,813	0	0	55,710	39,680	3,213	450	585	300	1,875	0	0	0	0	0
	0.29%	0.00%	0.00%	2.43%	1.38%	0.10%	0.01%	0.01%	0.01%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

## Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

## Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 1	1,098	103	99	97	119	107	137	110	89	77	47	33	26	16	38
	1.37%	1.62%	1.38%	1.20%	1.56%	1.32%	1.62%	1.30%	1.47%	1.51%	1.16%	0.96%	0.98%	0.65%	1.70%
Red Flag Computation 2	16,103	1,349	1,378	1,378	1,318	1,401	1,577	1,386	1,320	1,233	986	864	687	634	592
	20.08%	21.28%	19.24%	17.01%	17.31%	17.30%	18.63%	16.40%	21.77%	24.18%	24.39%	25.22%	25.93%	25.95%	26.45%
Red Flag Computation 3	14,143	1,004	1,202	1,526	1,315	1,383	1,607	1,538	1,102	881	709	647	484	419	326
	17.63%	15.84%	16.78%	18.83%	17.27%	17.08%	18.98%	18.19%	18.18%	17.28%	17.54%	18.88%	18.27%	17.15%	14.57%
Red Flag Computation 4	3,511	231	376	345	310	297	335	318	284	333	227	165	90	105	95
	4.38%	3.64%	5.25%	4.26%	4.07%	3.67%	3.96%	3.76%	4.68%	6.53%	5.62%	4.82%	3.40%	4.30%	4.24%
Red Flag Computation 5	14,284	989	1,251	1,248	1,317	1,364	1,728	1,645	1,346	966	703	660	452	355	260
	13.25%	11.89%	13.24%	11.81%	13.08%	12.81%	15.34%	14.59%	16.05%	13.58%	12.31%	13.80%	12.03%	10.47%	8.56%
Red Flag Computation 6	4,554	267	506	505	495	497	599	467	473	234	197	173	89	39	13
	4.23%	3.21%	5.35%	4.78%	4.91%	4.67%	5.32%	4.14%	5.64%	3.29%	3.45%	3.62%	2.37%	1.15%	0.43%
Red Flag Computation 7	61,802	4,620	5,195	5,535	5,590	5,812	6,216	6,233	5,023	4,422	3,713	3,023	2,444	2,173	1,803
	57.34%	55.53%	54.96%	52.38%	55.50%	54.57%	55.17%	55.30%	59.88%	62.16%	65.00%	63.20%	65.03%	64.08%	59.33%
Red Flag Computation 8	44,806	3,070	3,688	3,998	3,964	4,124	4,408	4,464	3,738	3,309	2,863	2,282	1,880	1,640	1,378
	41.57%	36.90%	39.02%	37.83%	39.36%	38.72%	39.12%	39.61%	44.56%	46.51%	50.12%	47.71%	50.03%	48.36%	45.34%
Red Flag Computation 9	2,953	109	218	220	230	240	359	254	241	238	268	206	119	164	87
	3.68%	1.72%	3.04%	2.72%	3.02%	2.96%	4.24%	3.00%	3.98%	4.67%	6.63%	6.01%	4.49%	6.71%	3.89%
Red Flag Computation 10	3,148	429	339	183	171	202	222	172	160	158	155	84	55	37	781
	3.93%	6.77%	4.73%	2.26%	2.25%	2.49%	2.62%	2.03%	2.64%	3.10%	3.83%	2.45%	2.08%	1.51%	34.90%
Red Flag Computation 11	2,499	429	339	183	171	202	222	172	160	158	155	84	55	37	132
	3.12%	6.77%	4.73%	2.26%	2.25%	2.49%	2.62%	2.03%	2.64%	3.10%	3.83%	2.45%	2.08%	1.51%	5.90%
Red Flag Computation 12	5,139	404	523	546	571	547	521	695	424	354	244	77	78	73	82
	6.41%	6.37%	7.30%	6.74%	7.50%	6.75%	6.15%	8.22%	6.99%	6.94%	6.04%	2.25%	2.94%	2.99%	3.66%
Red Flag Computation 13	14,223	1,391	1,673	1,929	1,923	2,071	2,193	2,329	354	128	86	33	30	54	29
	17.73%	21.94%	23.35%	23.81%	25.25%	25.57%	25.90%	27.55%	5.84%	2.51%	2.13%	0.96%	1.13%	2.21%	1.30%
Red Flag Computation 14	2,204	132	261	346	292	328	262	232	206	145	0	0	0	0	0
	2.75%	2.08%	3.64%	4.27%	3.83%	4.05%	3.09%	2.74%	3.40%	2.84%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	25,166	1,754	2,409	2,811	2,367	2,601	2,757	2,617	2,047	1,482	1,058	962	868	789	644
	31.38%	27.67%	33.63%	34.69%	31.08%	32.12%	32.56%	30.96%	33.77%	29.06%	26.18%	28.08%	32.77%	32.30%	28.78%
Red Flag Computation 16	2,586	0	52	818	326	293	218	423	211	155	45	38	3	4	0
	3.22%	0.00%	0.73%	10.10%	4.28%	3.62%	2.57%	5.00%	3.48%	3.04%	1.11%	1.11%	0.11%	0.16%	0.00%
Red Flag Computation 17	9,238	785	851	782	813	806	1,037	819	658	598	493	438	394	390	374
	8.57%	9.44%	9.00%	7.40%	8.07%	7.57%	9.20%	7.27%	7.84%	8.41%	8.63%	9.16%	10.48%	11.50%	12.31%
Red Flag Computation 18	5,763	400	444	557	500	510	609	499	552	422	366	309	202	204	189
	7.19%	6.31%	6.20%	6.87%	6.57%	6.30%	7.19%	5.90%	9.11%	8.28%	9.05%	9.02%	7.63%	8.35%	8.45%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 19	2,416	158	164	229	191	209	314	210	241	189	166	107	88	73	77
	3.01%	2.49%	2.29%	2.83%	2.51%	2.58%	3.71%	2.48%	3.98%	3.71%	4.11%	3.12%	3.32%	2.99%	3.44%
Red Flag Computation 20	6,663	432	556	664	638	714	798	717	509	400	340	252	227	228	188
	8.31%	6.81%	7.76%	8.19%	8.38%	8.82%	9.42%	8.48%	8.40%	7.84%	8.41%	7.36%	8.57%	9.33%	8.40%
Red Flag Computation 21	4,581	274	378	492	413	441	547	538	399	275	240	196	121	151	116
	5.71%	4.32%	5.28%	6.07%	5.42%	5.45%	6.46%	6.36%	6.58%	5.39%	5.94%	5.72%	4.57%	6.18%	5.18%
Red Flag Computation 22	43	1	2	10	7	0	9	2	9	3	0	0	0	0	0
	0.05%	0.02%	0.03%	0.12%	0.09%	0.00%	0.11%	0.02%	0.15%	0.06%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 23	49	0	3	9	6	1	15	1	10	4	0	0	0	0	0
	0.06%	0.00%	0.04%	0.11%	0.08%	0.01%	0.18%	0.01%	0.16%	0.08%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 24	4,709	343	468	464	450	448	461	364	360	394	310	232	125	149	141
	5.87%	5.41%	6.53%	5.73%	5.91%	5.53%	5.44%	4.31%	5.94%	7.73%	7.67%	6.77%	4.72%	6.10%	6.30%
Red Flag Computation 25	4,752	404	523	546	571	547	521	695	305	234	170	56	61	58	61
	5.93%	6.37%	7.30%	6.74%	7.50%	6.75%	6.15%	8.22%	5.03%	4.59%	4.21%	1.63%	2.30%	2.37%	2.73%
Red Flag Computation 26	14,185	1,391	1,673	1,929	1,923	2,071	2,193	2,329	341	117	79	31	29	50	29
	17.69%	21.94%	23.35%	23.81%	25.25%	25.57%	25.90%	27.55%	5.63%	2.29%	1.95%	0.90%	1.09%	2.05%	1.30%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	4	0	2	0	0	0	0	2	0	0	0	0	0	0	0
	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	1,665	113	189	254	211	245	199	179	164	111	0	0	0	0	0
	2.08%	1.78%	2.64%	3.13%	2.77%	3.03%	2.35%	2.12%	2.71%	2.18%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	5,354	405	560	700	568	577	561	552	518	375	156	111	103	99	69
	6.68%	6.39%	7.82%	8.64%	7.46%	7.12%	6.63%	6.53%	8.55%	7.35%	3.86%	3.24%	3.89%	4.05%	3.08%
Red Flag Computation 31	4,648	152	351	621	413	519	496	509	448	312	184	196	174	111	162
	5.80%	2.40%	4.90%	7.66%	5.42%	6.41%	5.86%	6.02%	7.39%	6.12%	4.55%	5.72%	6.57%	4.54%	7.24%
Red Flag Computation 32	143	0	6	60	27	15	5	21	3	5	0	0	0	1	0
	0.18%	0.00%	0.08%	0.74%	0.35%	0.19%	0.06%	0.25%	0.05%	0.10%	0.00%	0.00%	0.00%	0.04%	0.00%
Red Flag Computation 33	1,853	191	164	255	152	191	198	156	103	106	112	95	58	61	11
	2.31%	3.01%	2.29%	3.15%	2.00%	2.36%	2.34%	1.85%	1.70%	2.08%	2.77%	2.77%	2.19%	2.50%	0.49%
Red Flag Computation 34	891	6	23	25	28	42	34	39	68	72	168	178	115	48	45
	1.11%	0.09%	0.32%	0.31%	0.37%	0.52%	0.40%	0.46%	1.12%	1.41%	4.16%	5.20%	4.34%	1.96%	2.01%
Red Flag Computation 35	7,882	1,165	1,016	939	681	790	647	553	457	344	265	252	235	248	290
	9.83%	18.38%	14.18%	11.59%	8.94%	9.75%	7.64%	6.54%	7.54%	6.75%	6.56%	7.36%	8.87%	10.15%	12.96%
Red Flag Computation 36	4,856	562	500	478	359	446	452	313	391	422	338	252	137	94	112
	6.05%	8.87%	6.98%	5.90%	4.71%	5.51%	5.34%	3.70%	6.45%	8.28%	8.36%	7.36%	5.17%	3.85%	5.00%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 37	172	7	7	8	8	6	6	8	24	18	29	18	16	14	3
	0.21%	0.11%	0.10%	0.10%	0.11%	0.07%	0.07%	0.09%	0.40%	0.35%	0.72%	0.53%	0.60%	0.57%	0.13%
Red Flag Computation 38	55,907	3,909	4,644	5,103	4,936	5,158	5,666	5,768	4,704	4,057	3,409	2,822	2,235	1,895	1,601
	51.87%	46.98%	49.13%	48.29%	49.01%	48.43%	50.29%	51.18%	56.08%	57.03%	59.68%	59.00%	59.47%	55.88%	52.68%
Red Flag Computation 39	4,473	267	506	505	495	497	599	467	433	223	192	160	81	35	13
	4.15%	3.21%	5.35%	4.78%	4.91%	4.67%	5.32%	4.14%	5.16%	3.13%	3.36%	3.35%	2.16%	1.03%	0.43%
Red Flag Computation 40	2,055	101	137	126	194	192	190	169	141	136	186	146	110	126	101
	2.56%	1.59%	1.91%	1.55%	2.55%	2.37%	2.24%	2.00%	2.33%	2.67%	4.60%	4.26%	4.15%	5.16%	4.51%
Red Flag Computation 41	21,808	1,649	1,955	2,317	1,995	2,046	2,308	2,382	1,645	1,413	1,081	1,004	774	641	598
	20.23%	19.82%	20.68%	21.93%	19.81%	19.21%	20.48%	21.13%	19.61%	19.86%	18.93%	20.99%	20.60%	18.90%	19.68%
Red Flag Computation 42	7,838	910	807	844	741	878	956	763	548	429	260	174	164	168	196
	7.27%	10.94%	8.54%	7.99%	7.36%	8.24%	8.48%	6.77%	6.53%	6.03%	4.55%	3.64%	4.36%	4.95%	6.45%
Red Flag Computation 43	79	0	0	64	3	7	3	2	0	0	0	0	0	0	0
	0.07%	0.00%	0.00%	0.61%	0.03%	0.07%	0.03%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

## Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

## Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Trumbull County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 1	66,152	7,250	6,150	7,132	7,062	5,710	8,166	7,077	3,629	4,163	2,452	1,619	1,072	1,190	3,480
	1.15%	1.72%	1.24%	1.25%	1.29%	1.00%	1.31%	1.13%	0.79%	1.08%	0.84%	0.64%	0.54%	0.69%	2.25%
Red Flag Computation 2	915,331	76,842	76,637	79,534	76,712	79,978	94,396	83,243	73,829	61,492	45,315	48,784	44,934	39,274	34,361
	15.88%	18.25%	15.50%	13.99%	14.05%	14.02%	15.13%	13.26%	16.09%	15.98%	15.53%	19.42%	22.72%	22.84%	22.26%
Red Flag Computation 3	957,927	66,986	81,780	103,074	95,750	93,562	114,685	107,758	75,490	58,502	42,016	44,232	30,237	26,062	17,793
	16.62%	15.91%	16.54%	18.13%	17.53%	16.40%	18.38%	17.17%	16.46%	15.21%	14.40%	17.61%	15.29%	15.16%	11.53%
Red Flag Computation 4	274,220	16,043	25,413	26,049	23,991	20,805	26,152	24,330	23,197	31,119	18,258	14,780	7,558	8,918	7,607
	4.76%	3.81%	5.14%	4.58%	4.39%	3.65%	4.19%	3.88%	5.06%	8.09%	6.26%	5.88%	3.82%	5.19%	4.93%
Red Flag Computation 5	1,071,109	67,889	90,764	96,993	106,345	96,465	129,060	125,498	107,233	77,684	53,550	48,716	32,100	23,312	15,500
	14.30%	12.44%	14.20%	13.35%	14.96%	13.21%	16.20%	15.58%	17.73%	15.07%	13.70%	14.77%	12.17%	10.22%	7.71%
Red Flag Computation 6	352,307	19,906	36,117	39,557	42,098	38,912	45,031	35,570	38,529	20,265	15,337	12,332	5,568	2,581	504
	4.70%	3.65%	5.65%	5.44%	5.92%	5.33%	5.65%	4.42%	6.37%	3.93%	3.92%	3.74%	2.11%	1.13%	0.25%
Red Flag Computation 7	4,472,451	314,493	366,105	403,190	421,195	416,768	452,665	461,251	370,361	330,937	267,364	217,030	174,429	153,073	123,590
	59.72%	57.63%	57.28%	55.48%	59.24%	57.05%	56.82%	57.27%	61.22%	64.18%	68.40%	65.81%	66.12%	67.10%	61.47%
Red Flag Computation 8	3,286,167	218,149	264,100	291,769	304,165	299,618	316,866	331,731	275,814	253,900	208,246	163,053	135,564	121,692	101,500
	43.88%	39.97%	41.32%	40.14%	42.78%	41.01%	39.77%	41.19%	45.59%	49.24%	53.28%	49.44%	51.39%	53.34%	50.49%
Red Flag Computation 9	217,081	8,041	13,094	17,027	19,813	18,629	35,091	20,583	19,173	16,258	18,441	13,460	5,821	7,427	4,223
	3.77%	1.91%	2.65%	3.00%	3.63%	3.27%	5.63%	3.28%	4.18%	4.23%	6.32%	5.36%	2.94%	4.32%	2.74%
Red Flag Computation 10	245,142	40,099	29,540	14,414	13,483	10,727	13,328	8,822	14,696	12,167	11,173	6,305	4,460	2,368	63,560
	4.25%	9.52%	5.97%	2.54%	2.47%	1.88%	2.14%	1.41%	3.20%	3.16%	3.83%	2.51%	2.25%	1.38%	41.18%
Red Flag Computation 11	188,530	40,099	29,540	14,414	13,483	10,727	13,328	8,822	14,696	12,167	11,173	6,305	4,460	2,368	6,948
	3.27%	9.52%	5.97%	2.54%	2.47%	1.88%	2.14%	1.41%	3.20%	3.16%	3.83%	2.51%	2.25%	1.38%	4.50%
Red Flag Computation 12	405,449	22,995	38,169	41,876	41,058	42,218	42,562	53,144	38,053	33,155	25,186	6,556	6,455	6,702	7,320
	7.04%	5.46%	7.72%	7.37%	7.52%	7.40%	6.82%	8.47%	8.29%	8.62%	8.63%	2.61%	3.26%	3.90%	4.74%
Red Flag Computation 13	964,814	78,392	111,430	130,711	129,818	135,565	157,246	162,409	27,499	10,272	9,164	2,560	2,690	4,413	2,645
	16.74%	18.62%	22.53%	22.99%	23.77%	23.76%	25.21%	25.88%	5.99%	2.67%	3.14%	1.02%	1.36%	2.57%	1.71%
Red Flag Computation 14	208,413	10,718	25,078	32,850	27,217	29,350	25,290	23,696	19,670	14,544	0	0	0	0	0
	3.62%	2.55%	5.07%	5.78%	4.98%	5.14%	4.05%	3.78%	4.29%	3.78%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	2,062,245	138,728	189,532	230,080	200,119	212,435	227,046	226,184	178,076	134,334	81,767	78,712	67,830	53,910	43,492
	35.79%	32.95%	38.33%	40.47%	36.65%	37.24%	36.40%	36.04%	38.82%	34.92%	28.02%	31.34%	34.29%	31.36%	28.18%
Red Flag Computation 16	111,433	0	2,843	43,839	15,584	14,042	7,555	13,108	6,433	5,035	1,391	1,147	76	380	0
	1.93%	0.00%	0.57%	7.71%	2.85%	2.46%	1.21%	2.09%	1.40%	1.31%	0.48%	0.46%	0.04%	0.22%	0.00%
Red Flag Computation 17	577,922	48,464	53,177	50,003	52,558	51,034	65,281	52,611	43,473	33,903	26,839	26,597	26,064	23,914	24,004
	7.72%	8.88%	8.32%	6.88%	7.39%	6.99%	8.19%	6.53%	7.19%	6.58%	6.87%	8.06%	9.88%	10.48%	11.94%
Red Flag Computation 18	304,637	22,257	24,331	31,647	27,281	28,538	34,634	28,669	28,736	20,735	16,284	15,763	9,510	8,342	7,910
	5.29%	5.29%	4.92%	5.57%	5.00%	5.00%	5.55%	4.57%	6.26%	5.39%	5.58%	6.28%	4.81%	4.85%	5.12%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Trumbull County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 19	131,811	9,757	9,597	11,673	10,734	11,866	17,652	11,692	13,572	10,728	8,763	4,990	4,477	3,230	3,080
	2.29%	2.32%	1.94%	2.05%	1.97%	2.08%	2.83%	1.86%	2.96%	2.79%	3.00%	1.99%	2.26%	1.88%	2.00%
Red Flag Computation 20	367,809	27,823	32,963	34,892	35,239	41,124	46,619	38,615	27,239	22,231	18,040	12,373	11,903	11,345	7,403
	6.38%	6.61%	6.67%	6.14%	6.45%	7.21%	7.47%	6.15%	5.94%	5.78%	6.18%	4.93%	6.02%	6.60%	4.80%
Red Flag Computation 21	256,875	17,250	22,810	27,148	22,007	25,854	32,477	28,335	22,136	16,305	12,631	9,738	6,145	8,666	5,373
	4.46%	4.10%	4.61%	4.78%	4.03%	4.53%	5.21%	4.52%	4.83%	4.24%	4.33%	3.88%	3.11%	5.04%	3.48%
Red Flag Computation 22	1,468	56	56	216	199	0	430	60	249	202	0	0	0	0	0
	0.03%	0.01%	0.01%	0.04%	0.04%	0.00%	0.07%	0.01%	0.05%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 23	2,380	0	108	220	387	60	905	30	298	372	0	0	0	0	0
	0.04%	0.00%	0.02%	0.04%	0.07%	0.01%	0.15%	0.00%	0.06%	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 24	341,454	23,132	31,197	30,872	30,957	29,557	34,210	27,021	28,274	33,975	23,725	17,975	9,200	11,104	10,255
	5.93%	5.49%	6.31%	5.43%	5.67%	5.18%	5.48%	4.31%	6.16%	8.83%	8.13%	7.16%	4.65%	6.46%	6.64%
Red Flag Computation 25	366,583	22,995	38,169	41,876	41,058	42,218	42,562	53,144	26,024	21,078	17,306	4,726	5,147	5,051	5,229
	6.36%	5.46%	7.72%	7.37%	7.52%	7.40%	6.82%	8.47%	5.67%	5.48%	5.93%	1.88%	2.60%	2.94%	3.39%
Red Flag Computation 26	961,208	78,392	111,430	130,711	129,818	135,565	157,246	162,409	26,374	9,117	8,214	2,456	2,630	4,201	2,645
	16.68%	18.62%	22.53%	22.99%	23.77%	23.76%	25.21%	25.88%	5.75%	2.37%	2.81%	0.98%	1.33%	2.44%	1.71%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	280	0	240	0	0	0	0	40	0	0	0	0	0	0	0
	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	151,613	9,128	17,893	23,470	18,615	21,227	18,050	17,351	15,135	10,744	0	0	0	0	0
	2.63%	2.17%	3.62%	4.13%	3.41%	3.72%	2.89%	2.76%	3.30%	2.79%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	466,674	32,661	45,812	63,465	49,146	49,972	49,946	52,833	46,059	35,097	11,549	9,555	8,306	7,604	4,669
	8.10%	7.76%	9.26%	11.16%	9.00%	8.76%	8.01%	8.42%	10.04%	9.12%	3.96%	3.80%	4.20%	4.42%	3.02%
Red Flag Computation 31	531,338	16,959	37,570	65,658	46,474	57,961	55,426	64,541	56,467	39,354	21,493	21,700	22,721	11,174	13,840
	9.22%	4.03%	7.60%	11.55%	8.51%	10.16%	8.88%	10.28%	12.31%	10.23%	7.37%	8.64%	11.49%	6.50%	8.97%
Red Flag Computation 32	13,730	0	660	6,660	2,080	1,580	580	1,510	300	240	0	0	0	120	0
	0.24%	0.00%	0.13%	1.17%	0.38%	0.28%	0.09%	0.24%	0.07%	0.06%	0.00%	0.00%	0.00%	0.07%	0.00%
Red Flag Computation 33	84,705	8,591	7,683	8,999	8,103	8,010	8,602	7,282	5,270	6,634	5,296	4,924	2,416	2,405	490
	1.47%	2.04%	1.55%	1.58%	1.48%	1.40%	1.38%	1.16%	1.15%	1.72%	1.81%	1.96%	1.22%	1.40%	0.32%
Red Flag Computation 34	73,795	190	1,494	1,860	1,930	3,140	3,246	3,005	5,380	4,816	14,748	16,208	10,327	4,081	3,370
	1.28%	0.05%	0.30%	0.33%	0.35%	0.55%	0.52%	0.48%	1.17%	1.25%	5.05%	6.45%	5.22%	2.37%	2.18%
Red Flag Computation 35	395,187	61,206	48,263	46,878	34,807	40,831	33,797	30,221	25,011	19,485	12,778	12,207	9,691	8,369	11,643
	6.86%	14.54%	9.76%	8.25%	6.37%	7.16%	5.42%	4.82%	5.45%	5.06%	4.38%	4.86%	4.90%	4.87%	7.54%
Red Flag Computation 36	226,443	29,392	24,737	24,903	18,264	22,475	24,488	15,376	14,982	12,610	10,398	10,310	7,437	4,944	6,127
	3.93%	6.98%	5.00%	4.38%	3.34%	3.94%	3.93%	2.45%	3.27%	3.28%	3.56%	4.10%	3.76%	2.88%	3.97%

**Giant Eagle/HBC Combination Red Flagged Prescriptions Summary**  
**Trumbull County, OH**  
 Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 37	25,875	684	720	800	940	720	612	850	3,620	2,820	2,560	4,320	3,329	3,540	360
	0.45%	0.16%	0.15%	0.14%	0.17%	0.13%	0.10%	0.14%	0.79%	0.73%	0.88%	1.72%	1.68%	2.06%	0.23%
Red Flag Computation 38	4,086,240	280,580	337,219	369,940	378,595	374,014	406,389	425,031	347,251	307,308	246,405	199,701	158,612	137,587	117,608
	54.56%	51.41%	52.76%	50.90%	53.25%	51.20%	51.01%	52.77%	57.40%	59.60%	63.04%	60.55%	60.13%	60.31%	58.50%
Red Flag Computation 39	344,429	19,906	36,117	39,557	42,098	38,912	45,031	35,570	34,265	19,100	14,887	11,327	5,024	2,131	504
	4.60%	3.65%	5.65%	5.44%	5.92%	5.33%	5.65%	4.42%	5.66%	3.70%	3.81%	3.43%	1.90%	0.93%	0.25%
Red Flag Computation 40	123,092	7,756	9,760	8,062	13,100	11,494	13,536	8,392	7,508	7,367	9,267	8,189	6,210	7,228	5,223
	2.14%	1.84%	1.97%	1.42%	2.40%	2.01%	2.17%	1.34%	1.64%	1.91%	3.18%	3.26%	3.14%	4.20%	3.38%
Red Flag Computation 41	1,683,672	118,274	148,555	176,498	164,282	152,871	173,224	190,106	129,577	111,792	80,566	76,704	60,285	52,526	48,412
	22.48%	21.67%	23.24%	24.28%	23.11%	20.93%	21.74%	23.60%	21.42%	21.68%	20.61%	23.26%	22.85%	23.02%	24.08%
Red Flag Computation 42	455,769	46,991	42,588	49,669	48,460	47,826	60,040	47,403	35,393	29,123	13,570	9,640	8,922	7,790	8,354
	6.09%	8.61%	6.66%	6.83%	6.82%	6.55%	7.54%	5.89%	5.85%	5.65%	3.47%	2.92%	3.38%	3.41%	4.16%
Red Flag Computation 43	3,427	0	0	2,660	312	339	65	51	0	0	0	0	0	0	0
	0.05%	0.00%	0.00%	0.37%	0.04%	0.05%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

**Notes**Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Trumbull County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 1	922,888	87,040	91,398	119,370	124,958	94,954	109,398	68,420	43,415	59,870	28,068	21,444	12,068	11,095	51,393
	1.13%	1.33%	1.33%	1.48%	1.60%	1.23%	1.29%	0.83%	0.71%	1.08%	0.58%	0.57%	0.42%	0.44%	2.39%
Red Flag Computation 2	13,102,017	958,988	1,109,657	1,289,242	1,196,416	1,088,742	1,331,111	1,232,376	964,784	786,978	589,474	618,326	692,450	695,215	548,260
	16.06%	14.62%	16.20%	15.95%	15.28%	14.11%	15.75%	15.04%	15.67%	14.18%	12.13%	16.41%	23.89%	27.39%	25.53%
Red Flag Computation 3	15,542,599	1,185,152	1,342,173	1,767,042	1,652,527	1,438,269	1,804,837	1,753,225	1,136,234	884,307	665,839	654,097	568,979	436,790	253,131
	19.05%	18.06%	19.60%	21.86%	21.10%	18.63%	21.36%	21.39%	18.46%	15.94%	13.71%	17.36%	19.63%	17.21%	11.79%
Red Flag Computation 4	4,790,598	325,984	566,006	510,838	416,395	346,180	476,366	460,788	390,409	472,827	268,833	191,591	110,788	133,743	119,853
	5.87%	4.97%	8.27%	6.32%	5.32%	4.48%	5.64%	5.62%	6.34%	8.52%	5.53%	5.09%	3.82%	5.27%	5.58%
Red Flag Computation 5	9,016,246	520,755	581,958	750,605	1,160,743	889,316	1,151,312	979,019	771,036	606,279	397,932	349,379	267,879	360,593	229,443
	11.05%	7.94%	8.50%	9.28%	14.82%	11.52%	13.63%	11.95%	12.52%	10.93%	8.19%	9.27%	9.24%	14.21%	10.68%
Red Flag Computation 6	2,330,057	118,993	149,408	152,828	309,968	320,462	429,975	243,848	246,910	153,630	66,263	80,965	40,370	14,305	2,135
	2.86%	1.81%	2.18%	1.89%	3.96%	4.15%	5.09%	2.98%	4.01%	2.77%	1.36%	2.15%	1.39%	0.56%	0.10%
Red Flag Computation 7	43,960,959	3,192,702	3,355,196	3,673,093	4,152,726	4,115,366	4,604,693	4,277,950	3,593,057	3,382,464	3,180,572	2,216,859	1,639,551	1,460,748	1,115,982
	53.87%	48.66%	49.00%	45.43%	53.03%	53.32%	54.50%	52.20%	58.37%	60.96%	65.48%	58.84%	56.56%	57.56%	51.97%
Red Flag Computation 8	26,272,762	1,865,388	2,064,009	2,031,320	2,274,008	2,499,010	2,840,256	2,588,819	2,147,889	1,964,351	1,923,782	1,380,172	1,041,778	873,783	778,200
	32.20%	28.43%	30.14%	25.12%	29.04%	32.38%	33.62%	31.59%	34.89%	35.40%	39.60%	36.63%	35.94%	34.43%	36.24%
Red Flag Computation 9	3,088,702	108,169	204,099	179,687	219,451	227,398	564,403	234,785	278,793	237,965	290,033	227,436	119,211	137,438	59,838
	3.79%	1.65%	2.98%	2.22%	2.80%	2.95%	6.68%	2.86%	4.53%	4.29%	5.97%	6.04%	4.11%	5.42%	2.79%
Red Flag Computation 10	17,397,067	2,053,870	1,480,678	1,614,980	1,660,845	1,391,355	1,556,120	1,309,030	1,226,700	1,234,745	1,318,554	639,760	365,190	236,540	1,308,700
	21.32%	31.30%	21.62%	19.98%	21.21%	18.03%	18.42%	15.97%	19.93%	22.25%	27.14%	16.98%	12.60%	9.32%	60.94%
Red Flag Computation 11	16,467,507	2,053,870	1,480,678	1,614,980	1,660,845	1,391,355	1,556,120	1,309,030	1,226,700	1,234,745	1,318,554	639,760	365,190	236,540	379,140
	20.18%	31.30%	21.62%	19.98%	21.21%	18.03%	18.42%	15.97%	19.93%	22.25%	27.14%	16.98%	12.60%	9.32%	17.65%
Red Flag Computation 12	3,775,210	178,500	325,695	380,890	358,555	396,293	399,828	477,095	350,665	327,200	276,688	62,345	67,593	80,673	93,193
	4.63%	2.72%	4.76%	4.71%	4.58%	5.13%	4.73%	5.82%	5.70%	5.90%	5.70%	1.65%	2.33%	3.18%	4.34%
Red Flag Computation 13	8,390,201	611,593	923,353	1,116,138	1,091,235	1,217,758	1,429,820	1,404,958	247,765	101,890	102,045	25,870	27,369	52,505	37,905
	10.28%	9.32%	13.48%	13.81%	13.93%	15.78%	16.92%	17.14%	4.02%	1.84%	2.10%	0.69%	0.94%	2.07%	1.77%
Red Flag Computation 14	1,669,880	83,415	193,575	266,585	217,898	243,250	202,878	189,460	160,865	111,955	0	0	0	0	0
	2.05%	1.27%	2.83%	3.30%	2.78%	3.15%	2.40%	2.31%	2.61%	2.02%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	42,652,061	3,267,718	3,657,727	4,718,009	4,390,310	4,031,938	4,217,526	4,158,809	3,203,077	2,904,130	2,561,380	1,939,165	1,464,087	1,308,879	829,307
	52.27%	49.80%	53.42%	58.36%	56.06%	52.24%	49.92%	50.75%	52.03%	52.34%	52.73%	51.47%	50.51%	51.58%	38.62%
Red Flag Computation 16	992,537	0	21,490	385,193	154,675	123,644	69,503	121,505	44,823	49,283	10,288	7,295	1,020	3,820	0
	1.22%	0.00%	0.31%	4.76%	1.98%	1.60%	0.82%	1.48%	0.73%	0.89%	0.21%	0.19%	0.04%	0.15%	0.00%
Red Flag Computation 17	7,698,517	532,133	725,694	884,367	745,855	631,396	806,920	687,449	517,405	333,537	266,515	321,906	400,851	472,213	372,279
	9.43%	8.11%	10.60%	10.94%	9.52%	8.18%	9.55%	8.39%	8.40%	6.01%	5.49%	8.54%	13.83%	18.61%	17.34%
Red Flag Computation 18	3,813,549	308,641	357,070	398,334	336,103	292,614	449,984	384,144	327,696	217,522	199,062	174,156	141,420	124,646	102,160
	4.67%	4.70%	5.21%	4.93%	4.29%	3.79%	5.33%	4.69%	5.32%	3.92%	4.10%	4.62%	4.88%	4.91%	4.76%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Trumbull County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 19	1,831,975	121,663	153,243	158,784	157,115	135,363	281,742	181,105	159,088	137,298	125,759	50,928	70,174	43,797	55,920
	2.24%	1.85%	2.24%	1.96%	2.01%	1.75%	3.33%	2.21%	2.58%	2.47%	2.59%	1.35%	2.42%	1.73%	2.60%
Red Flag Computation 20	6,218,216	522,913	588,495	735,706	709,699	646,977	789,148	673,471	357,487	294,618	273,152	140,276	201,122	160,326	124,828
	7.62%	7.97%	8.59%	9.10%	9.06%	8.38%	9.34%	8.22%	5.81%	5.31%	5.62%	3.72%	6.94%	6.32%	5.81%
Red Flag Computation 21	3,877,130	250,880	361,459	411,194	326,089	364,250	571,535	443,763	333,563	189,664	204,087	115,922	117,948	120,090	66,689
	4.75%	3.82%	5.28%	5.09%	4.16%	4.72%	6.76%	5.41%	5.42%	3.42%	4.20%	3.08%	4.07%	4.73%	3.11%
Red Flag Computation 22	28,948	420	380	1,960	1,263	0	18,025	450	3,585	2,865	0	0	0	0	0
	0.04%	0.01%	0.01%	0.02%	0.02%	0.00%	0.21%	0.01%	0.06%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 23	53,685	0	2,000	1,530	2,798	300	28,913	225	4,330	13,590	0	0	0	0	0
	0.07%	0.00%	0.03%	0.02%	0.04%	0.00%	0.34%	0.00%	0.07%	0.24%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 24	5,816,680	477,893	626,751	637,660	519,605	463,506	605,362	470,371	430,300	522,424	339,782	259,661	134,837	171,286	157,245
	7.13%	7.28%	9.15%	7.89%	6.64%	6.00%	7.16%	5.74%	6.99%	9.41%	6.99%	6.89%	4.65%	6.75%	7.32%
Red Flag Computation 25	3,371,985	178,500	325,695	380,890	358,555	396,293	399,828	477,095	237,098	208,105	187,118	42,620	52,293	59,733	68,165
	4.13%	2.72%	4.76%	4.71%	4.58%	5.13%	4.73%	5.82%	3.85%	3.75%	3.85%	1.13%	1.80%	2.35%	3.17%
Red Flag Computation 26	8,352,996	611,593	923,353	1,116,138	1,091,235	1,217,758	1,429,820	1,404,958	238,490	90,365	90,395	24,900	26,469	49,620	37,905
	10.24%	9.32%	13.48%	13.81%	13.93%	15.78%	16.92%	17.14%	3.87%	1.63%	1.86%	0.66%	0.91%	1.96%	1.77%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	2,000	0	1,800	0	0	0	0	200	0	0	0	0	0	0	0
	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	1,205,995	71,190	138,325	187,803	147,333	173,843	143,378	136,155	124,915	83,055	0	0	0	0	0
	1.48%	1.08%	2.02%	2.32%	1.88%	2.25%	1.70%	1.66%	2.03%	1.50%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	5,858,149	511,960	591,002	772,804	605,153	593,507	577,720	588,355	525,279	444,791	195,145	144,129	130,072	124,402	53,833
	7.18%	7.80%	8.63%	9.56%	7.73%	7.69%	6.84%	7.18%	8.53%	8.02%	4.02%	3.83%	4.49%	4.90%	2.51%
Red Flag Computation 31	5,819,137	237,273	334,633	637,180	467,420	588,198	533,203	658,645	542,232	405,825	495,048	294,428	293,670	155,970	175,415
	7.13%	3.62%	4.89%	7.88%	5.97%	7.62%	6.31%	8.04%	8.81%	7.31%	10.19%	7.82%	10.13%	6.15%	8.17%
Red Flag Computation 32	141,055	0	5,325	72,970	18,655	12,040	9,220	17,560	1,500	1,865	0	0	0	1,920	0
	0.17%	0.00%	0.08%	0.90%	0.24%	0.16%	0.11%	0.21%	0.02%	0.03%	0.00%	0.00%	0.00%	0.08%	0.00%
Red Flag Computation 33	3,539,867	264,893	264,945	384,728	263,685	400,074	404,347	285,015	200,102	393,125	275,785	239,090	79,250	72,290	12,540
	4.34%	4.04%	3.87%	4.76%	3.37%	5.18%	4.79%	3.48%	3.25%	7.08%	5.68%	6.35%	2.73%	2.85%	0.58%
Red Flag Computation 34	1,588,069	7,600	37,440	62,852	59,250	121,389	58,995	126,353	193,625	148,568	254,030	280,115	155,123	49,748	32,983
	1.95%	0.12%	0.55%	0.78%	0.76%	1.57%	0.70%	1.54%	3.15%	2.68%	5.23%	7.44%	5.35%	1.96%	1.54%
Red Flag Computation 35	7,361,260	1,041,451	781,523	791,574	668,615	868,170	676,374	473,404	421,176	541,658	293,539	255,423	198,017	169,784	180,554
	9.02%	15.87%	11.41%	9.79%	8.54%	11.25%	8.01%	5.78%	6.84%	9.76%	6.04%	6.78%	6.83%	6.69%	8.41%
Red Flag Computation 36	2,480,788	312,246	296,261	300,255	204,065	194,379	291,638	180,627	148,539	156,185	96,460	104,473	74,435	41,005	80,221
	3.04%	4.76%	4.33%	3.71%	2.61%	2.52%	3.45%	2.20%	2.41%	2.81%	1.99%	2.77%	2.57%	1.62%	3.74%

## Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

## Trumbull County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 37	299,903	7,695	8,100	9,000	10,575	8,100	6,885	5,938	20,350	21,075	36,375	62,100	46,898	51,750	5,063
	0.37%	0.12%	0.12%	0.11%	0.14%	0.10%	0.08%	0.07%	0.33%	0.38%	0.75%	1.65%	1.62%	2.04%	0.24%
Red Flag Computation 38	34,179,384	2,599,408	2,801,440	3,063,799	3,027,520	3,135,348	3,596,182	3,511,799	2,699,615	2,473,632	2,293,943	1,737,392	1,264,837	1,033,817	940,653
	41.88%	39.62%	40.91%	37.90%	38.66%	40.62%	42.56%	42.85%	43.85%	44.58%	47.22%	46.12%	43.63%	40.74%	43.80%
Red Flag Computation 39	2,259,007	118,993	149,408	152,828	309,968	320,462	429,975	243,848	212,785	142,280	61,988	66,715	36,020	11,605	2,135
	2.77%	1.81%	2.18%	1.89%	3.96%	4.15%	5.09%	2.98%	3.46%	2.56%	1.28%	1.77%	1.24%	0.46%	0.10%
Red Flag Computation 40	5,406,139	297,939	279,400	299,930	559,414	509,513	558,215	483,623	371,035	496,895	527,233	330,012	250,391	238,057	204,484
	6.62%	4.54%	4.08%	3.71%	7.14%	6.60%	6.61%	5.90%	6.03%	8.95%	10.85%	8.76%	8.64%	9.38%	9.52%
Red Flag Computation 41	16,170,479	1,335,111	1,311,857	1,741,677	1,606,845	1,477,620	1,899,165	1,699,198	1,084,318	999,013	959,938	777,231	458,003	420,058	400,449
	19.82%	20.35%	19.16%	21.54%	20.52%	19.14%	22.48%	20.73%	17.61%	18.00%	19.76%	20.63%	15.80%	16.55%	18.65%
Red Flag Computation 42	5,485,454	399,330	291,472	615,218	850,770	704,482	758,284	395,067	400,347	426,497	153,895	84,446	125,464	200,295	79,888
	6.72%	6.09%	4.26%	7.61%	10.86%	9.13%	8.97%	4.82%	6.50%	7.69%	3.17%	2.24%	4.33%	7.89%	3.72%
Red Flag Computation 43	11,825	0	0	9,990	285	1,095	350	105	0	0	0	0	0	0	0
	0.01%	0.00%	0.00%	0.12%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## Notes

## Defendant

CVS

Giant Eagle/HBC

Rite Aid

Walgreens

Wal-Mart

## Date Range

January 1, 2006 to November 29, 2019

January 1, 2006 to December 3, 2019

January 1, 2006 to November 19, 2019

January 3, 2006 to January 3, 2020

January 2, 2006 to April 25, 2018

F. Combination Red Flagged Prescriptions –  
Red Flag Computation 1-43 No of Flags Triggered

**Lake County and Trumbull County, OH**  
**Summary of Combination Red Flagged Opioid Prescriptions**  
**Red Flag Computation 1-43**

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	141,651		175,609		37,379		125,994		209,395		690,028	
Opioid Prescriptions Flagged - 4+ Methods	61,015	43.07%	87,341	49.74%	16,291	43.58%	50,205	39.85%	112,881	53.91%	327,733	47.50%
Opioid Prescriptions Flagged - 5+ Methods	33,430	23.60%	51,543	29.35%	8,808	23.56%	26,418	20.97%	70,504	33.67%	190,703	27.64%
Opioid Prescriptions Flagged - 6+ Methods	18,208	12.85%	29,412	16.75%	4,830	12.92%	13,888	11.02%	42,143	20.13%	108,481	15.72%
Opioid Prescriptions Flagged - 7+ Methods	9,258	6.54%	16,145	9.19%	2,554	6.83%	7,041	5.59%	23,967	11.45%	58,965	8.55%
Opioid Prescriptions Flagged - 8+ Methods	4,515	3.19%	8,285	4.72%	1,356	3.63%	3,461	2.75%	13,027	6.22%	30,644	4.44%
Opioid Prescriptions Flagged - 9+ Methods	2,222	1.57%	4,194	2.39%	732	1.96%	1,764	1.40%	6,938	3.31%	15,850	2.30%
Opioid Prescriptions Flagged - 10+ Methods	1,083	0.76%	1,925	1.10%	359	0.96%	824	0.65%	3,685	1.76%	7,876	1.14%
Opioid Prescriptions Flagged - 11+ Methods	496	0.35%	872	0.50%	135	0.36%	334	0.27%	1,814	0.87%	3,651	0.53%
Opioid Prescriptions Flagged - 12+ Methods	220	0.16%	373	0.21%	77	0.21%	131	0.10%	967	0.46%	1,768	0.26%
Opioid Prescriptions Flagged - 13+ Methods	106	0.07%	150	0.09%	27	0.07%	64	0.05%	478	0.23%	825	0.12%
Opioid Prescriptions Flagged - 14+ Methods	37	0.03%	71	0.04%	14	0.04%	21	0.02%	212	0.10%	355	0.05%
Opioid Prescriptions Flagged - 15+ Methods	12	0.01%	28	0.02%	6	0.02%	7	0.01%	76	0.04%	129	0.02%
Opioid Prescriptions Flagged - 16+ Methods	5	0.00%	12	0.01%	2	0.01%	1	0.00%	30	0.01%	50	0.01%
Opioid Prescriptions Flagged - 17+ Methods	0	0.00%	4	0.00%	0	0.00%	0	0.00%	9	0.00%	13	0.00%
Opioid Prescriptions Flagged - 18+ Methods	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	0.00%	3	0.00%
Opioid Prescriptions Flagged - 19+ Methods	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	2	0.00%
Opioid Prescriptions Flagged - 20+ Methods	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	2	0.00%

**Notes**

<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

**Lake County, OH**  
**Summary of Combination Red Flagged Opioid Prescriptions**  
**Red Flag Computation 1-43**

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	91,066		80,894		26,709		45,795		59,259		303,723	
Opioid Prescriptions Flagged - 4+ Methods	39,657	43.55%	35,816	44.28%	12,020	45.00%	16,262	35.51%	31,908	53.84%	135,663	44.67%
Opioid Prescriptions Flagged - 5+ Methods	21,947	24.10%	20,039	24.77%	6,724	25.18%	8,215	17.94%	19,557	33.00%	76,482	25.18%
Opioid Prescriptions Flagged - 6+ Methods	11,958	13.13%	11,045	13.65%	3,728	13.96%	4,208	9.19%	11,182	18.87%	42,121	13.87%
Opioid Prescriptions Flagged - 7+ Methods	6,214	6.82%	5,768	7.13%	2,022	7.57%	2,007	4.38%	6,421	10.84%	22,432	7.39%
Opioid Prescriptions Flagged - 8+ Methods	3,158	3.47%	2,954	3.65%	1,155	4.32%	950	2.07%	3,544	5.98%	11,761	3.87%
Opioid Prescriptions Flagged - 9+ Methods	1,519	1.67%	1,442	1.78%	643	2.41%	460	1.00%	1,858	3.14%	5,922	1.95%
Opioid Prescriptions Flagged - 10+ Methods	741	0.81%	642	0.79%	333	1.25%	210	0.46%	945	1.59%	2,871	0.95%
Opioid Prescriptions Flagged - 11+ Methods	347	0.38%	299	0.37%	127	0.48%	98	0.21%	434	0.73%	1,305	0.43%
Opioid Prescriptions Flagged - 12+ Methods	169	0.19%	128	0.16%	72	0.27%	39	0.09%	233	0.39%	641	0.21%
Opioid Prescriptions Flagged - 13+ Methods	92	0.10%	55	0.07%	24	0.09%	20	0.04%	97	0.16%	288	0.09%
Opioid Prescriptions Flagged - 14+ Methods	31	0.03%	29	0.04%	13	0.05%	11	0.02%	43	0.07%	127	0.04%
Opioid Prescriptions Flagged - 15+ Methods	10	0.01%	16	0.02%	6	0.02%	4	0.01%	13	0.02%	49	0.02%
Opioid Prescriptions Flagged - 16+ Methods	5	0.01%	7	0.01%	2	0.01%	1	0.00%	3	0.01%	18	0.01%
Opioid Prescriptions Flagged - 17+ Methods	0	0.00%	3	0.00%	0	0.00%	0	0.00%	2	0.00%	5	0.00%
Opioid Prescriptions Flagged - 18+ Methods	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	1	0.00%
Opioid Prescriptions Flagged - 19+ Methods	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Opioid Prescriptions Flagged - 20+ Methods	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

**Notes**

<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

**Trumbull County, OH**  
**Summary of Combination Red Flagged Opioid Prescriptions**  
**Red Flag Computation 1-43**

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	50,585		94,715		10,670		80,199		150,136		386,305	
Opioid Prescriptions Flagged - 4+ Methods	21,358	42.22%	51,525	54.40%	4,271	40.03%	33,943	42.32%	80,973	53.93%	192,070	49.72%
Opioid Prescriptions Flagged - 5+ Methods	11,483	22.70%	31,504	33.26%	2,084	19.53%	18,203	22.70%	50,947	33.93%	114,221	29.57%
Opioid Prescriptions Flagged - 6+ Methods	6,250	12.36%	18,367	19.39%	1,102	10.33%	9,680	12.07%	30,961	20.62%	66,360	17.18%
Opioid Prescriptions Flagged - 7+ Methods	3,044	6.02%	10,377	10.96%	532	4.99%	5,034	6.28%	17,546	11.69%	36,533	9.46%
Opioid Prescriptions Flagged - 8+ Methods	1,357	2.68%	5,331	5.63%	201	1.88%	2,511	3.13%	9,483	6.32%	18,883	4.89%
Opioid Prescriptions Flagged - 9+ Methods	703	1.39%	2,752	2.91%	89	0.83%	1,304	1.63%	5,080	3.38%	9,928	2.57%
Opioid Prescriptions Flagged - 10+ Methods	342	0.68%	1,283	1.35%	26	0.24%	614	0.77%	2,740	1.83%	5,005	1.30%
Opioid Prescriptions Flagged - 11+ Methods	149	0.29%	573	0.60%	8	0.07%	236	0.29%	1,380	0.92%	2,346	0.61%
Opioid Prescriptions Flagged - 12+ Methods	51	0.10%	245	0.26%	5	0.05%	92	0.11%	734	0.49%	1,127	0.29%
Opioid Prescriptions Flagged - 13+ Methods	14	0.03%	95	0.10%	3	0.03%	44	0.05%	381	0.25%	537	0.14%
Opioid Prescriptions Flagged - 14+ Methods	6	0.01%	42	0.04%	1	0.01%	10	0.01%	169	0.11%	228	0.06%
Opioid Prescriptions Flagged - 15+ Methods	2	0.00%	12	0.01%	0	0.00%	3	0.00%	63	0.04%	80	0.02%
Opioid Prescriptions Flagged - 16+ Methods	0	0.00%	5	0.01%	0	0.00%	0	0.00%	27	0.02%	32	0.01%
Opioid Prescriptions Flagged - 17+ Methods	0	0.00%	1	0.00%	0	0.00%	0	0.00%	7	0.00%	8	0.00%
Opioid Prescriptions Flagged - 18+ Methods	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	2	0.00%
Opioid Prescriptions Flagged - 19+ Methods	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	2	0.00%
Opioid Prescriptions Flagged - 20+ Methods	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	2	0.00%

**Notes**DefendantDate Range

CVS

January 1, 2006 to November 29, 2019

Giant Eagle/HBC

January 1, 2006 to December 3, 2019

Rite Aid

January 1, 2006 to November 19, 2019

Walgreens

January 3, 2006 to January 3, 2020

Wal-Mart

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